Bluegrass Area Development District Rate Book October 2019



Water and Wastewater Rates
Solid Waste Rates & Services
Population Figures
Class of Cities
Local Tax Rates

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Introduction

This is a snapshot of rate charges among utilities of like size and characteristics. Rates continually change. The reader is cautioned ---- data will become "dated" rather quickly. Within a year, a sufficient number of rate schedules and information may change. This can be viewed from our website at http://www.bgadd.org, select Committees and Councils, select Area Water Management Council, click Download 2019 Ratebook.

Utility services rates are important to all of us. Service charges affect the pocketbooks of all consumers. Rates have been steadily rising due in part to increasingly stringent environmental standards, state and federal enforcement agencies, and capital construction projects to accommodate the population growth within the region.

Our best guesstimate is that just over 1% of the Bluegrass ADD population does not have access of a community water supply.

Comparative Water Rate Data and Fees

- **Tables 1-5** present data on charges for water service in the 17-county Bluegrass Area Development District. They are examined in three categories: medium and large size cities (population 2,500 and greater Tables 1 and 2); smaller cities (under population 2,500 Tables 3 and 4); and Rural/Suburban areas (Table 5).
- **Table 6** presents data on water production in the Bluegrass ADD for calendar year 2018 (as compared to 2017).
- **Table 7** presents seven-year water production averages (2012-2018) in the Bluegrass ADD.
- **Table 8** presents data on water tap-on fees.
- **Table 9** presents number of municipal water customers inside city and outside city.
- **Table 10** presents rural / suburban water utilities

Utilities Purchasing Water for Resale

Table 11 presents data on water utilities (generally the rural/suburban utilities) that purchase potable water from larger water suppliers for resale to their own customers.

Water Utilities That Bill for E911

Table 12 presents a list of water utilities that bill for E911 services. As more households transition from landlines to mobile devices, 911 services struggle to finance Public-Safety Answering Point (PSAP). For those reason, some Cities and Counties mandate that water utilities include an E911 fee on bills corresponding with water meters.

Comparative Wastewater Rate Data and Fees

Tables 13-16 present data involving charges for wastewater service in the Bluegrass Area. They are examined in two categories: medium and large size cities (population 2,500 and greater – Tables 13 and 14) and smaller cities together with other non-municipal wastewater utilities (under population 2,500 – Tables 15 and 16).

Other Data

Tables 1, 2, 3, 4, 5, 13, 14, 15 and 16

Water and wastewater rates must be sufficient to operate and maintain the utility systems, and provide for needed capital improvements and/or expansions. Invariably, rates increase to meet these needs.

Often, customers resist rate increases because they lack information about the utility's operating and capital improvements costs. Factors which affect costs are:

- Operation and maintenance practices.
- The relative density of the customers. Example: A water utility with 100 customers per mile of water line might be expected to have lower rates than one with 15 customers per mile.
- The infusion of outside funds.
 Example: A utility built utilizing some federal or state grant funds should have the financial advantage over a like utility with no grant funds.
- Topographic/geologic consideration. Example: A utility must install pipelines in areas where bedrock is near the surface will likely operate at a dollar disadvantage to a utility which encounters little rock in pipeline installation.
- The relative ease with which a water supply can be developed.
 Example: A utility draws an adequate supply of water from a nearby source has the advantage over a utility which must otherwise develop an expensive water supply.
- The cost of progress.
 Example: Due to the effects of inflation upon construction, the less capital investment a utility has made in recent years, the better is the likelihood for lower rates. Utilities serving and experiencing rapid growth areas are generally those which have to continually upgrade and/or expand their systems.
- Subsidies.
 Example: Some utilities are water-wastewater-electric or water-wastewater-gas. As is the case with some of the Bluegrass District utilities, the cost of the water and wastewater systems may be subsidized by some other utility. Sometimes this can have a negative effect as is often the case when a garbage system is incorporated with a water and wastewater utility. In such cases, water and wastewater revenues can subsidize the garbage system.
- Legal diversion of funds. Example: Some cities will use a portion of water and/or wastewater funds to supplement the General Fund account. Other cities draw from the General Fund to supplement water and/or wastewater utility operations.
- Economy of scale.

 Example: The smaller the utility, the greater the probability manpower needs are being slighted, trained and dedicated people cannot be attracted, or, if employed, cannot be retained or paid a competitive wage. Similarly, with the purchase of supplies and materials, it is the large utility which normally purchases at the lower unit rate. It is generally true in the Bluegrass Area Development District, the larger the utility, the more efficient it can be and the level of service can be higher.

Adequacy of facilities.
 Example: The utility which was designed to meet long-range needs with respect to line sizing or treatment capacity may well be operating at a rate disadvantage—in the early years—when compared to a utility which was designed to meet only the needs of the near term.

Water and wastewater rates are difficult to compare from community to community for the following reasons:

- Some utilities use 1,000 gallons as the unit of measure. Others use 100 cubic feet (approximately equal to 750 gallons).
- Different utilities use different quantities as the amount available for the minimum bill. The most common quantity of water available for the minimum bill is 2,000 gallons per month.
- Different utilities use different rate bracketing systems.
- Some utilities charge for wastewater service as a direct percentage of water bills. This varies from 40 percent to well over 100 percent. In recent years, many utilities have implemented flat rate charges for every unit of wastewater service purchased above the minimum bill quantity.
- The rate schedules for some utilities are based on a billing period other than monthly.
- Some municipal utilities use a different rate schedule for residents outside the city limits, both for water and wastewater services.

Table 17 presents data on wastewater tap-on fees.

Table 18 presents data on measured flows at publicly-owned wastewater treatment plants (2012 – 2018) in the Bluegrass ADD.

Table 19 presents number of sewer customers for municipalities.

Table 20 and 21 presents data on water and wastewater customers by county of residence.

Tables 22 and 23 present tabulations on the numbers of households and population unserved.

Tables 24 and 25 present population numbers from the 2010 Census and 2018 Estimates accordingly.

Population growth or decline impacts future needs for water and wastewater service. Growing communities experience increased demand for extended services as well as greater loads on existing facilities. This requires serious planning to assure sufficient resources are available to meet future demand.

Table 26 presents solid waste charges and services

Table 27 presents low / moderate income percentages

Table 28 presents Bluegrass Area cities by class

Table 29 presents local tax rates for cities, counties, and special districts in the Bluegrass ADD.

Communities need services, facilities and infrastructure that usually can only be provided by local governments or local utilities. That vast network of capital-intensive services (including roads, water provision, wastewater services, and electrical supply) is critical to current and future economic vitality of the local communities.

The mechanisms for funding infrastructure and their role in local spending are complex. Most communities rely on a combination of local tax revenues, federal and state aid, as well as user fees to generate revenue to maintain existing services, facilities, and infrastructure and to undertake new spending for capital projects to meet current and future needs.

Kentucky River Locks, Dams and Intakes in Central Kentucky Area

Pursuant to KRS 151.723, The Kentucky River Authority (KRA) is required for each year of the biennium to establish a rate of water withdrawal use fees which shall be based upon the total amount of funds necessary to carry out the functions, projects and expenses authorized by the Kentucky General Assembly. Resolution 2007-2 by the Kentucky River Authority passed on December 13, 2007, established two withdrawal fees. Tier I rates apply to virtually all who withdraw surface water or ground water from the Kentucky River basin. Tier I charges are presently set at \$0.022 for each 1,000 gallons.

Tier II rates apply to virtually all who withdraw surface water from the river's main stem. Utilities that withdraw water from the river's main stem therefore pay the Tier I and the Tier II fee. At the April 9, 2018 meeting, the Kentucky River Authority passed a resolution to increase the Tier II water user fee to \$0.22 cents per 1,000 gallons. This new rate was made effective on July 1. 2018 and began appearing on billings issued August 1, 2018. This rate increase was necessary to finance the reconstruction of dams providing water supply to within the Bluegrass region.

Some utilities pass KRA water withdrawal fees on to their customers as a separate and distinct line on the water bill (apart from the utility's rate schedule or tariff). Other utilities simply absorb the KRA water withdrawal fee as still another operation and maintenance cost and then establish their rate schedule so as to recover the cost of the withdrawal fee.

Comparative Water Rate Data

Tables 1, 2, 3, 4, and 5

These tables compare monthly water rates at different usage levels. The usage levels were selected, in part, for their ease of conversion to cubic fee (one hundred cubic feet is approximately equal to 750 gallons):

2,000 gal	or	267 cf	This represents a minimum quantity for many utilities.
3,000 gal	or	400 cf	This could represent the small family of modest means.
4,000 gal	or	535 cf	This is frequently defined as an "average" residential consumption.
6,000 gal	or	800 cf	This could represent the average family with children, cars to wash, and occasional yard watering.
30,000 gal	or 4	4,000 cf	This could represent the average commercial establishment, e.g., a busy service station or restaurant.
300,000 gal	or 40	0,000 cf	This could represent an industrial customer. (Tables 1 and 2 only)

For each usage level, the utility's rank among comparable utilities and the percent deviation from the average are presented.

Tables 3, 4 and 5 contain a column identifying the cost per thousand gallons for the quantity which can be purchased for the minimum monthly water bill. This quantity varies from city-to-city, and much care should be exercised in drawing conclusions at this usage level.

For Tables 3, 4 and 5, no "300,000 gallons per month" usage category is included. This is because few utilities of this population class have such large customers in terms of water usage.

Table 5 rate data is for 35 different rural/suburban water utilities. Of the utilities whose rates are compared, 23 are "KRS 74" water districts and 8 are "KRS 273" water associations (non-profit corporations). Several water utilities are listed more than once because they have different rates even within their utilities. For the reader unfamiliar with the geographical location of some of the rural water utilities listed, Table 5 also shows the principal county of service for each.

Table 1 WATER RATE COMPARISON

In-City Customers
Bluegrass Area Cities Over Population 2,500
(In Gallons and Cubic Feet)

												Cost	Per Month I	or:							
	Effective		Min.	2,000		% Dev.	3,000		% Dev.	4,000		% Dev.	6,000		% Dev.	30,000		% Dev.	300,000		% Dev.
	Date	Min.	Quantity	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from
	for Rates	Bill	(gal.)	(267 cf)	Rank	Mean	(400 cf)	Rank	Mean	(535 cf)	Rank	Mean	(800 cf)	Rank	Mean	(4,000 cf)	Rank	Mean	(40,000 cf)	Rank	Mean
Berea *	Jul-10	\$ 12.00	1500	\$ 15.43	12	4	\$ 22.30	13	10	\$ 29.17	15	14	\$ 42.90	16	18	\$ 180.04	13	14	\$ 1,352.84	9	-3
Cynthiana	Jul-19	10.75	2000	10.75	2	-28	15.20	2	-25	19.65	2	-23	28.55	3	-21	100.45	3	-36	950.95	3	-32
Danville*	Aug-19	8.97	750	13.96	10	-6	17.19	5	-15	20.18	6	-21	26.14	2	-28	90.39	2	-43	1,347.39	8	-3
Frankfort *	Aug-18	9.00	0	20.10	16	35	25.65	16	26	31.20	16	22	42.30	15	17	166.50	10	6	1,086.00	4	-22
Georgetown	Aug-19	10.94	2000	10.94	3	-27	16.94	4	-16	22.94	7	-11	34.94	8	-4	178.94	12	14	1,798.94	15	29
Harrodsburg	Jun-19	11.84	1875	12.59	6	-16	18.59	10	-8	24.59	9	-4	35.59	9	-2	162.89	9	3	1,187.59	6	-15
Irvine	Jul-18	16.54	2000	16.54	13	11	22.81	14	12	29.08	14	13	41.62	14	15	192.10	15	22	1,885.00	18	35
Lancaster	Aug-18	14.17	1000	21.45	17	44	28.73	17	42	36.01	17	40	49.75	18	37	206.99	18	31	1,808.09	16	30
Lawrenceburg*	Jun-19	16.71	2000	16.71	14	12	21.86	12	8	27.01	11	5	37.31	10	3	160.91	8	2	1,504.41	11	8
KAWC*	Jun-19	15.00	0	26.51	18	78	32.26	18	59	38.02	18	48	49.54	17	37	193.50	16	23	1,515.50	12	9
Nicholasville*	Aug-19	5.25	0	14.11	11	-5	18.54	9	-9	22.97	8	-10	31.83	6	-12	138.35	5	-12	1,333.70	7	-4
Paris	Feb-13	8.34	0	8.34	1	-44	11.19	1	-45	14.04	1	-45	19.74	1	-46	85.04	1	-46	614.65	1	-56
Richmond	Jul-19	12.09	2250	12.09	5	-19	16.22	3	-20	20.54	4	-20	30.17	4	-17	144.83	6	-8	1,108.80	5	-21
Stanford	Jun-16	13.08	2000	13.08	7	-12	17.47	6	-14	21.86	5	-15	30.64	5	-15	129.80	4	-18	909.90	2	-35
Stanton	Jul-19	17.43	2000	17.43	15	17	23.08	15	14	28.73	13	12	40.03	12	10	175.63	11	11	1,701.13	13	22
Versailles	Jul-19	8.53	1000	13.29	8	-11	18.05	7	-11	22.81	6	-11	32.33	7	-11	146.57	7	-7	1,409.27	10	1
Wilmore	Jul-19	11.07	2000	11.07	4	-26	18.53	8	-9	25.36	10	-1	38.26	11	6	183.31	14	46	1,822.21	17	31
Winchester	Apr-19	5.48	750	13.85	9	-7	20.54	11	1	27.24	12	6	40.62	13	12	201.46	17	28	1,791.36	14	28
Average		\$ 11.51		\$ 14.90			\$ 20.29			\$ 25.63			\$ 36.24			\$ 157.65			\$ 1,395.99		

^{*}Rates based on assumed meter sizes as follows: 5/8" for 3,000, 4,000 & 6,000 gallons (Residential); 1" for 30,000 gallons (Commercial); and 3" for 300,000 gallons (Industrial).

Note 1: Beach Fork Water Commission is a water wholesaler in Powell County. Its wholesale rate is \$2.732/1,000 gallons.

Note 2: For the few water utilities that show the Kentucky River Authority fee as a separate line on their utility bills, that small fee has been incorporated into the above figures to facilitate rate comparisons.



Table 2 WATER RATE COMPARISON

Out-of-City Customers
Bluegrass Area Cities Over Population 2,500
(In Gallons and Cubic Feet)

_												Cost P	er Month Fo	r:							
	Effective		Min.	2,000		% Dev.	3,000		% Dev.	4,000		% Dev.	6,000		% Dev.	30,000		% Dev.	300,000		% Dev.
	Date	Min.	Quantity	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from
	for Rates	Bill	(gal.)	(267 cf)	Rank	Mean	(400 cf)	Rank	Mean	(535 cf)	Rank	Mean	(800 cf)	Rank	Mean	(4,000 cf)	Rank	Mean	(40,000 cf)	Rank	Mean
Berea*	Jul-19	\$ 12.00	1500	\$ 15.43	8	-15	\$ 22.30	10	-9	\$ 29.17	11	-5	\$ 42.90	12	-1	\$ 180.04	13	-3	\$ 1,352.84	9	-18
Cynthiana	Jul-19	15.05	2000	15.05	6	-17	19.46	5	-20	25.69	7	-17	38.15	8	-12	126.35	2	-32	1,317.05	7	-20
Danville ³	Aug-19	14.52	750	22.58	17	25	27.82	16	14	32.64	12	6	42.25	11	-3	144.61	3	-22	1,347.39	8	-18
Frankfort	Aug-18	9.00	0	21.98	16	22	28.47	17	17	34.96	16	14	47.94	15	10	166.50	8	-10	1,086.00	3	-34
Georgetown*	Aug-19	10.94	2000	10.94	1	-1	16.94	2	-31	22.94	2	-10	34.94	3	-9	178.94	12	-2	1,798.94	14	-1
Harrodsburg*	Jun-19	11.84	1875	12.59	4	-30	18.59	4	-24	24.59	4	-20	35.59	4	-18	162.89	7	-12	1,187.59	6	-28
Irvine	Jul-18	18.54	2000	18.54	13	3	26.61	14	9	34.68	15	13	50.50	17	16	244.50	17	32	2,423.40	18	47
Lancaster	Aug-19	21.12	1000	31.90	20	76	42.69	20	75	53.48	20	74	73.82	20	70	306.44	20	66	3,671.64	20	122
Lawrenceburg*	Jun-19	16.71	2000	16.71	10	-8	21.68	9	-11	27.01	9	-12	37.31	6	-14	160.91	6	-13	1,504.41	11	-9
KAWC*	Jun-19	15.00	0	26.51	19	47	32.26	18	32	38.02	18	24	49.54	16	14	193.50	15	5	1,515.50	12	-8
Nicholasville	Aug-19	7.45	0	20.41	15	13	26.89	15	10	33.37	14	8	46.33	14	7	202.35	16	9	1,953.45	16	18
Paris	Feb-13	11.68	0	11.68	3	-35	15.67	1	-36	19.66	1	-36	27.64	1	-36	118.96	1	-36	860.50	1	-48
Richmond	Jul-19	15.11	2250	15.11	7	-16	19.62	6	-20	23.67	3	-23	37.29	5	-14	169.23	10	-9	1,108.80	4	-33
Richmond ¹	Jul-19	19.70	2000	19.70	14	9	26.21	12	7	32.72	13	6	43.80	13	1	160.20	5	-13	1,469.70	10	-11
Stanford	Jun-16	14.93	2000	14.93	5	-17	19.92	7	-18	24.91	5	-19	34.89	2	-20	147.45	4	-20	1,029.50	2	-38
Stanford ²	Jun-16	17.13	2000	17.13	11	-5	22.81	11	-7	28.55	10	-7	39.97	10	-8	168.56	9	-9	1,173.31	5	-29
Stanton	Jul-19	25.69	2000	25.69	18	42	33.94	19	39	42.19	19	37	58.69	19	35	256.69	18	39	2,484.19	19	50
Versailles	Jul-19	10.20	1000	15.72	9	-13	21.24	8	-13	26.76	8	-13	37.80	7	-13	170.28	11	-8	1,617.18	13	-2
Wilmore*	Jul-19	11.07	2000	11.07	2	-39	18.53	3	-24	25.36	6	-18	38.26	9	-12	183.31	14	-1	1,822.21	15	10
Winchester	Apr-19	7.08	750	17.84	12	-1	26.46	13	8	35.08	17	14	52.30	18	20	259.02	19	40	2,326.92	17	41
Average		\$ 14.24		\$ 18.08			\$ 24.41			\$ 30.77			\$ 43.50			\$ 185.04			\$ 1,652.53		

*same as city rates

¹ Milford

² Hubble

³Junction City and Perryville

Rank:

Highest Lowest

Table 3 WATER RATE COMPARISON

In-City Customers
Bluegrass Area Cities Under Population 2,500
(In Gallons and Cubic Feet)

											Cost Per	Month	For:						
	Effective Date	Min. Bill	Min. Quantity	Min. Quantity	2,000 (gal.) (267 cf)	Dank	% Dev. From	3,000 (gal.)	Donk	% Dev. From	4,000 (gal.)	Dank	% Dev. From	6,000 (gal.)	Donk	% Dev. From	30,000 (gal.)		% Dev. From
	for Rates		(gal.)	(cf)	(/	Rank		(400 cf)	Rank		(535 cf)	Rank		(800 cf)	Rank		(4000 cf)	Rank	
Burgin	May-11	\$ 14.90		100	\$ 26.26	/	22	\$ 35.36	8	19	\$ 54.22	11	40	\$ 76.75	11	39	\$ 305.40	9	30
Carlisle	Jul-19	22.09	2000	267	22.09	5	3	29.99	5	1	37.97	7	-2	53.13	7	-3	214.53	6	-9
Clay City	Jul-17	21.80	2000	267	21.80	4	2	29.86	4	1	37.92	6	-2	54.04	8	-2	247.48	8	5
Crab Orchard	Jul-18	17.33	2000	267	17.33	2	-19	23.91	2	-19	30.49	4	-21	44.67	4	-19	215.17	7	-9
Eubank	May-11	14.00	1000	133	20.50	3	-4	27.00	3	-9	33.50	5	-13	45.80	5	-17	185.00	4	-21
Hustonville	Nov-14	15.41	2000	267	15.41	1	-28	22.08	1	-26	28.75	3	-26	39.99	3	-27	138.87	1	-41
Midway	Dec-10	11.64	1000	133	22.94	6	7	34.24	7	15	45.54	9	18	68.14	9	24	339.34	12	44
Millersburg ²	Jul-18	12.49	0	133	26.51	8	24	32.26	6	9	38.02	8	-2	49.54	6	-10	193.50	5	-18
N.Middletown ²	Jun-19	28.79	2000	267	28.79	9	34	40.96	9	38	53.13	10	37	76.21	10	38	306.25	10	30
N.Middletown ³	Jun-19	33.84	2000	267	33.84	10	58	46.32	10	56	58.80	12	52	82.50	12	50	320.18	11	36
Sadieville ¹	Aug-19	10.94	2000	267	10.94	11	-49	16.94	11	-43	22.94	1	-41	34.94	1	-37	178.94	2	-24
Stamping Ground ¹	Aug-19	10.94	2000	267	10.94	12	-49	16.94	12	-43	22.94	1	-41	34.94	1	-37	178.94	2	-24
Average		\$ 17.85			\$ 21.45			\$ 29.66			\$ 38.69			\$ 55.05			\$ 235.30		

¹City is served by GMWSS. Fee schedule follows that of GMWSS.

Rank: Highest Lowest

²System has been purchased by Kentucky American Water Company so rates follow the KAWC fee schedule.

³Customers who do not receive sanitary service are charged a different fee schedule.

Table 4 WATER RATE COMPARISON

Out-of-City Customers
Bluegrass Area Cities Under Population 2,500
(In Gallons and Cubic Feet)

											Cost Per	r Month	For:						
	Effective		Min.	Min.	2,000		% Dev.	3,000		% Dev.	4,000		% Dev.	6,000		% Dev.	30,000		% Dev.
	Date	Min.	Quantity	Quantity	(gal.)		From	(gal.)		From	(gal.)		From	(gal.)		From	(gal.)		From
	for Rates	Bill	(gal.)	(cf)	(267 cf)	Rank	Mean	(400 cf)	Rank	Mean	(535 cf)	Rank	Mean	(800 cf)	Rank	Mean	(4000 cf)	Rank	Mean
Burgin*	Aug-10	\$ 14.90	750	100	\$ 30.08	10	16	\$ 42.16	10	20	\$ 54.22	10	22	\$ 76.75	10	23	\$ 305.40	8	20
Carlisle	Jul-19	23.71	2000	267	23.71	6	-8	31.99	6	-9	40.27	7	-10	56.09	7	-10	221.45	6	-13
Clay City	Jul-17	27.49	2000	267	27.49	8	6	39.03	8	11	50.57	8	13	73.65	8	18	350.61	11	38
Crab Orchard	Jul-18	22.28	2000	267	22.28	5	-14	29.50	5	-16	36.72	5	-18	52.12	6	-17	234.24	7	-8
Eubank	May-11	14.00	1000	133	20.50	4	-21	27.00	3	-23	33.50	3	-25	45.80	3	-27	185.00	4	-27
Hustonville	Nov-14	19.26	200	267	19.26	3	-25	27.60	4	-22	35.94	4	-19	49.99	5	-20	173.83	1	-32
Millersburg*2	Jun-19	12.49	1000	133	26.51	7	3	32.26	7	-8	38.02	6	-15	49.54	4	-21	193.50	5	-24
N.Middletown*2	Jun-19	28.79	2000	267	28.79	9	11	40.96	9	16	53.13	9	19	76.21	9	22	306.25	9	20
N.Middletown*3	Jun-19	33.84	2000	267	33.84	11	31	46.32	11	32	58.80	11	32	82.50	11	32	320.18	10	26
Sadieville*1	Aug-19	10.94	2000	267	10.94	1	-58	16.94	1	-52	22.94	1	-49	34.94	1	-44	178.94	2	-30
Stamping Ground*1	Aug-19	10.94	2000	267	10.94	1	-58	16.94	1	-52	22.94	1	-49	34.94	1	-44	178.94	2	-30
Average		\$ 21.86		·	\$ 25.83			\$ 35.20			\$ 44.57			\$ 62.52			\$ 254.50		

^{*}same as city rates

Rank:

Highest Lowest

¹City is served by GMWSS. Fee schedule follows that of GMWSS.

²System has been purchased by Kentucky American Water Company so rates follow the KAWC fee schedule.

³Customers who do not receive sanitary service are charged a different fee schedule.

Table 5 WATER RATE COMPARISON

Rural / Suburban Water Utilities (In Gallons and Cubic Feet)

											Cost F	er Month	For:						
	Effective		Min.	2,000		% Dev.	3,000		% Dev.	4,000		% Dev.	6,000		% Dev.	30,000		% Dev.	Principal
	Date	Min.	Quantity	Gallons		From	Gallons		From	Gallons		From	Gallons		From	Gallons		From	County
	for Rates	Bill	(gal.)	(267 cf)	Rank	Mean	(400 cf)	Rank	Mean	(535 cf)	Rank	Mean	(800 cf)	Rank	Mean	(4000 cf)	Rank	Mean	of Service
Corinth WD*	Aug-17	\$ 18.34	1000	\$ 31.83	32	34	\$ 45.32	34	43	\$ 58.81	35	48	\$ 84.37	35	53	\$ 345.45	35	58	Grant
E. Casey Co. WD*	Oct-18	17.24	2000	17.24	5	-27	24.66	7	-22	32.08	8	-19	46.62	11	-15	201.00	13	-8	Casey
E. Clark Co. WD	Jul-18	26.22	2000	26.22	24	10	37.08	30	17	47.94	30	21	69.66	32	26	305.90	34	40	Clark
Elkhorn WD	Apr-19	17.12	2000	17.12	4	18	23.92	5	-24	30.72	5	-22	43.69	7	-21	165.37	7	-24	Franklin
Estill Co. WD	Aug-18	21.58	2000	21.58	13	-9	32.11	18	1	42.64	22	8	63.48	27	15	268.73	30	23	Estill
Estill Co. WD (Cobhill)	Aug-18	26.39	2000	26.39	25	11	36.92	29	17	47.42	29	20	68.26	31	24	273.54	31	25	Estill
Farmdale WD	Aug-18	18.20	2000	18.20	7	-23	24.30	6	-23	30.40	5	-23	42.14	6	-24	179.80	8	-18	Franklin
Garrard Co. WA	Aug-18	11.78	1000	18.17	6	-23	23.35	4	-26	28.31	3	-29	37.90	3	-31	149.02	3	-32	Garrard
Harrison Co. WA	Feb-16	18.89	2000	18.89	8	-20	26.02	9	-18	32.97	10	-17	46.33	10	-16	200.17	12	-9	Harrison
Jackson Co. WA	May-17	24.05	2000	24.05	21	1	34.60	24	9	45.15	27	14	66.25	28	20	301.35	33	38	Jackson
Jessamine Co. WD #1	Jul-18	28.60	3000	28.60	31	20	28.60	12	-10	35.40	12	-11	49.00	12	-11	207.80	15	-5	Jessamine
Jessamine S. Elkhorn WD (NW Co.)	Jul-18	26.64	2000	26.64	28	12	34.31	23	8	41.98	21	6	57.12	18	4	234.40	24	7	Jessamine
Jessamine S. Elkhorn WD (SE Co.)	Jul-18	33.14	2000	33.14	33	40	40.81	32	29	48.48	32	22	70.00	33	27	240.90	25	10	Jessamine
Judy WA*	Jul-19	13.28	1000	22.19	14	-7	31.10	17	-2	40.01	19	1	56.93	17	3	231.17	22	6	Montgomery
Judy WA (Bourbon Co.)*	Jul-19	30.05	1000	38.96	35	64	47.87	35	51	56.78	34	43	73.70	34	34	247.94	27	13	Montgomery
Kirksville WA*	Jul-18	20.05	2000	20.05	9	-16	29.72	13	-6	39.39	16	-1	57.26	19	4	229.66	21	5	Madison
Lake Village WA*	May-16	26.40	2000	26.40	26	11	36.65	28	16	46.90	28	18	67.40	30	22	293.60	32	34	Mercer
Madison Co. Utilities WD*	Jul-18	16.75	2100	16.75	3	-29	23.13	3	-27	30.23	4	-24	44.41	8	-19	208.05	16	-5	Madison
McKinney WD	Aug-17	14.42	1000	23.31	18	-2	32.20	19	2	39.68	17	0	54.64	16	-1	220.56	19	1	Lincoln
N. Mercer WD*	Sep-12	16.59	1000	23.58	19	-1	30.57	16	-3	36.86	13	-7	49.24	13	-11	189.40	11	-13	Mercer
N. Shelby Water Co.	Jul-19	22.68	2000	22.68	16	-4	30.32	15	-4	37.96	14	-4	51.86	14	-6	188.30	9	-14	Shelby
N.E. Woodford WD	Aug-18	13.14	2000	13.14	1	-45	17.50	1	-45	21.86	1	-45	30.00	1	-46	123.28	1	-44	Woodford
Nicholas Co. WD	Sep-15	14.62	1000	21.57	12	-9	28.52	11	-10	34.22	11	-14	44.47	9	-19	139.17	2	-36	Nicholas
Parksville WD*	May-15	29.75	1000	36.05	34	52	42.35	33	34	48.65	33	23	61.53	26	12	244.65	26	12	Boyle
Peaks Mill WD*	Jul-18	28.32	2000	28.32	30	19	38.17	31	21	48.02	31	21	66.50	29	21	249.22	28	14	Franklin
Powells Valley WD*	Oct-17	23.22	2000	23.22	17	-2	33.28	22	5	43.34	24	9	61.48	25	11	265.00	29	21	Powell
Reid Village WD*	Jul-19	25.95	2000	25.95	22	9	34.73	25	10	42.92	23	8	58.69	21	6	228.21	20	4	Montgomery
S. Anderson WD*	Sep-18	20.17	2000	20.17	10	-15	30.08	14	-5	39.99	18	1	57.56	20	4	211.40	17	-3	Anderson
S. Madison WD**	Nov-16	13.14	2000	13.14	2	-45	19.62	2	-38	25.68	2	-35	37.82	2	-31	153.32	4	-30	Madison
S. Woodford WD*	Aug-18	20.48	2000	20.48	11	-14	25.47	8	-20	30.46	6	-23	40.02	4	-27	158.12	5	-28	Woodford
S. Woodford WD (Phase 3)*	Aug-19	22.48	2000	22.48	15	-5	27.47	10	-13	32.46	9	-18	42.02	5	-24	160.12	6	-27	Woodford
Sharpsburg WD	Jan-19	26.16	2000	26.16	23	10	32.75	21	3	39.34	15	-1	51.86	14	-6	188.98	10	-14	Bath
US 60 WD	Jan-19	17.15	1000	26.63	27	26	36.11	27	32	44.09	25	42	59.33	23	8	233.57	23	7	Shelby
W. Fleming WD*	Oct-14	15.01	1000	23.75	20	0	32.49	20	3	41.23	20	4	58.71	22	6	202.73	14	-7	Fleming
W. Rockcastle WA	Aug-12	27.94	2000	27.94	29	18	36.06	26	14	44.18	26	12	59.78	24	8	217.20	18	-1	Rockcastle
Average		\$ 21.31		\$ 23.74			\$ 31.66			\$ 39.62			\$ 55.14			\$ 218.77			

Rates based on assumed meter sizes as follows: 5/8" for 3,000, 4,000 & 6,000 gallons (Residential); 1" for 30,000 gallons (Commercial) *unless otherwise noted.

Rank:

Highest Lowest

^{*}Cost fo 30,000 gallons is based on Residential rates

^{**}includes Kentucky River Authority Withdrawal Fee 0.0253/1,000 gallons

Table 6
WATER PRODUCTION FOR CALENDAR YEAR 2018

		2018		5% of Days are				2017	
	Existing	Avg. Daily	Avg.	Equal to or	Peak Day	Hist	oric	Avg. Daily	Percent
	Capacity	Treated	as % of	Greater Than:	Day	Pe	ak	Treated	Change
Water Utility Name	(MGD)	(MGD)	Capacity	(MGD)	(MGD)	Year	(MGD)	(MGD)	2017/2018
Beech Fork Comm.	1.94	1.113	57%	1.358	1.579	1999	1.726	1.200	-7
Berea Municipal	6.00	2.876	48%	3.180	3.440	2015	4.341	2.797	3
Carlisle	1.37	0.678	49%	0.591	0.950	2004	1.220	0.475	43
Cynthiana	6.00	2.042	34%	2.494	3.164	2012	3.721	2.009	2
Danville	12.00	5.095	42%	6.026	7.307	2018	7.307	5.139	-1
Frankfort Water Plant Board	18.00	7.830	44%	10.001	11.154	2012	16.169	8.073	-3
Georgetown Municipal*	4.00	2.627	66%	3.480	3.699	2013	5.418	2.627	0
Harrodsburg	4.00	3.321	83%	3.995	4.943	2015	5.448	3.113	7
Irvine Municipal	2.00	1.293	65%	1.500	1.651	2008	1.987	1.388	-7
KAWC**	90.00	40.600	45%	49.420	72.140	2002	73.580	40.200	1
Lancaster	2.50	1.400	56%	1.905	2.351	2005	2.879	1.570	-11
Lawrenceburg	4.00	2.140	54%	2.479	2.752	2007	3.302	1.956	9
Nicholasville	9.00	3.512	39%	4.563	5.125	2011	7.728	3.853	-9
Paris	3.00	2.307	77%	2.621	3.250	2015	3.344	2.200	5
Richmond Utilities	12.00	7.060	59%	7.430	9.016	2015	10.500	6.800	4
Stanford Water Comm.	2.00	1.204	60%	1.409	1.580	2016	2.325	1.200	0
Versailles	10.00	2.869	29%	2.840	4.120	2005	5.769	2.880	0
Wilmore	2.00	0.573	29%	0.691	1.068	2018	1.068	0.594	-4
Winchester Municipal	6.00	4.510	75%	4.976	5.493	1991	5.524	4.550	-1
TOTAL (BGADD Utilities)	195.81	93.05	48%					92.62	0.005

Other water treatment plants, outside the Bluegrass Area, provide potable water to residents within the Bluegrass Area. Information on five such water treatment plants follows:

Mt. Sterling Commission	4.30	2.518	59%	3.155	4.032	-	-	2.950	47%
Shelbyville Commission ¹	6.00	3.660	61%	4.713	4.936	2005	5.345	3.500	65%
Somerset	10.00	7.750	78%	10.140	9.920	-	-	7.246	93%
Mt. Vernon	4.00	2.200	55%	2.163	2.600	2015	3.614	2.200	100%
TOTAL (all utilities)	220.11	109.18	3.00					108.52	3.06

^{*}Georgetown supplements with purchases from FEWPB and KAWC

^{**}Avg Daily Treated amount is a total of the averages from KAWC's three treatment plants, Peak day amount is shown as the peak total production of all three KAWC Treatment plants whereas the days of peak production at each individual plant may have varied.

¹In 2019, system began supplying the 3 other water districts with significantly increased amounts (East U.S. 60 & North Shelby WD in particular), West Shelby anticipates purchasing entirely from Louisville Water at some point in the future but for now they are purchasing without an executed contract with Shelbyville.

Table 7 SEVEN-YEAR WATER PRODUCTION FOR 2012-2018

Water Utility Name	Existing Capacity (MGD)	2012 Avg. Daily Treated Water (MGD)	2013 Avg. Daily Treated (MGD)	2014 Avg. Daily Treated (MGD)	2015 Avg. Daily Treated (MGD)	2016 Avg. Daily Treated (MGD)	2017 Avg. Daily Treated (MGD)	2018 Avg. Daily Treated (MGD)	7 Year Daily Treated Water Avg. (MGD)	7 Year Avg. as % of Present Capacity
Beech Fork Comm.	1.94	1.083	1.140	1.140	1.110	1.131	1.096	1.113	1.08	55.8
Berea Municipal	6.00	2.913	2.940	2.940	2.878	2.918	2.810	2.876	2.91	48.6
Carlisle	1.37	0.471	0.590	0.590	0.581	0.590	0.515	0.678	0.47	34.4
Cynthiana	6.00	1.842	2.000	2.000	2.148	2.270	2.171	2.042	1.84	30.7
Danville	10.00	5.359	4.690	4.690	5.592	5.592	5.468	5.095	5.10	51.0
Frankfort Water Plant Board	18.00	8.151	7.870	8.479	8.023	8.060	8.264	7.830	8.15	45.3
Georgetown	4.00	2.330	2.140	2.400	2.550	2.510	2.530	2.627	2.33	58.3
Harrodsburg	4.00	2.388	2.780	2.900	3.060	2.734	2.734	3.321	2.39	59.7
Irvine Municipal	2.00	1.252	1.180	1.180	1.032	1.300	1.402	1.293	1.25	62.6
KAWC	84.00	40.890	39.434	36.570	38.428	38.900	38.900	40.600	40.89	48.7
Lancaster	2.10	1.296	1.500	1.500	1.190	1.570	1.570	1.400	1.30	61.7
Lawrenceburg	4.00	2.028	2.200	2.200	2.203	2.203	1.922	2.140	2.03	50.7
Nicholasville	9.00	4.171	4.300	4.300	3.875	3.994	3.994	3.512	4.17	46.3
Paris	3.00	1.934	1.810	1.810	1.885	2.097	2.184	2.307	1.93	64.5
Richmond Utilities	12.00	6.153	6.260	6.260	6.500	6.870	6.900	7.060	6.15	51.3
Stanford Water Comm.	2.00	1.063	1.050	1.050	1.096	1.050	1.137	1.204	1.06	53.2
Versailles	10.00	2.920	3.030	3.295	3.027	2.917	2.980	2.869	2.92	29.2
Wilmore	2.00	0.539	0.550	0.550	0.550	0.653	0.594	0.573	0.54	27.0
Winchester Municipal	6.00	4.200	4.300	3.950	4.200	4.370	4.510	4.510	4.20	70.0
SUB-TOTAL	187.41	#REF!	90.98	89.76	87.80	89.93	91.73	91.68	90.72	948.73

Bluegrass Area residents receive potable water from the following water treatment plants not in the Bluegrass District:

Mt. Sterling Commission	4.50	2.570	2.570	2.830	2.991	3.12	2.950	2.518	69.3	65.6
Shelbyville Commission	6.00	3.170	3.170	2.670	2.670	3.75	2.670	3.500	62.5	44.5
Somerset	10.00	7.980	7.980	7.636	7.636	8.40	7.246	7.750	84.0	72.5
Mt. Vernon	4.00	1.570	1.570	1.570	1.440	2.18	1.440	2.200	54.4	36.0
TOTAL	211.91	#REF!	106.27	105.05	102.51	104.67	109.18	105.99	360.97	1167.24

Total Annual Precipitation*	66	42	59	55	59	45	72.32
Precipitation percent above / below	47	-2	-14	10	14	0	27.77
average for Levington gauge**							

^{*}Total annual precipitation based on calendar year.

Cumulative moving averages are calculated by averaging each of the monthly averages 1981 to present.

^{**}Precipitation percent above/below the average for Lexington is based on a cumulative moving average.

Table 8 WATER TAP-ON FEES

	3/4x5/8	1" Meter	2" Meter
Berea	\$425	\$750	\$2,000
Burgin	\$500	Actual Cost	Actual Cost
Carlisle	\$500		
Clay City	\$950	\$1,150	Actual Cost
Corinth WD	\$800	\$1,000	Actual Cost
Crab Orchard - Inside	\$450	Actual Cost	Actual Cost
- Outside	\$475	Actual Cost	Actual Cost
Cynthiana	\$800	\$1,000	\$1,500
Danville -inside	\$50	\$100 + T&M**	\$100 + T&M**
-outside	\$80	\$100 + T&M**	\$100 + T&M**
East Casey County WD	\$445	Actual Cost	Actual Cost
East Clark County WD	\$907	Actual Cost	Actual Cost
Elkhorn WD	\$1,030	\$1,310	Actual Cost
Estill County WD	\$1,277	Actual Cost	Actual Cost
Farmdale WD	\$1,132	Actual Cost	Actual Cost
Frankfort***	\$1,394	\$1,971	\$635 + Actual Cost
Garrard County WA	\$725	\$875	Actual Cost
Georgetown	\$1,500	\$2,100	\$4,350
Harrison County WA	\$1,000	Actual Cost	Actual Cost
Harrodsburg	\$650	\$1,450	\$2,500
Hustonville	\$750	Actual Cost	Actual Cost
Irvine - Inside	\$700	Actual Cost	Actual Cost
- Outside	\$800	Actual Cost	Actual Cost
Jackson County WA	\$600	Actual Cost	Actual Cost
Jessamine S. Elkhorn WD	\$950	\$1,200	Actual Cost
Jessamine Co. WD #1	\$1,200	Actual Cost	Actual Cost
Judy WA	\$750	Actual Cost	Actual Cost
Kentucky American WC	\$1,223	\$2,174	\$4,002
Kirksville WA	\$1,156	\$1,420	Actual Cost
Lake Village WA	\$450	Actual Cost	Actual Cost
Lancaster	\$600	Actual Cost	Actual Cost
Lawrenceburg	\$1,000	\$1,000	\$1,500

	3/4x5/8	1" Meter	2" Meter
Madison Co. Utilities WD	\$1,120	Actual Cost	Actual Cost
McKinney WD	\$1,050	Actual Cost	Actual Cost
Midway	\$850	\$1,000	\$1,000
Millersburg¹	\$1,223	\$2,174	\$4,002
Nicholas County WD	\$625	Actual Cost	Actual Cost
Nicholasville	\$800	\$1,000	\$3,000
North Mercer WD	\$650	Actual Cost	Actual Cost
North Shelby Water Co.	\$1,000	\$1,275	Actual Cost
Northeast Woodford WD	\$844	\$1,035	Actual Cost
North Middletown ¹ - Inside	\$1,223	\$2,174	\$4,002
Paris	\$500	\$500	\$500
Parksville WD	\$550	\$550	\$550
Peaks Mill WD	\$1,160	\$1,430	Actual Cost
Powells Valley WD	\$967	Actual Cost	Actual Cost
Reid Village WD	\$650	\$650	\$650
Richmond	\$700	\$800	\$2,400
Sharpsburg WD	\$850	Actual Cost	Actual Cost
South Anderson WD	\$1,000	Actual Cost	Actual Cost
South Woodford WD	\$400	\$450	Actual Cost
Southern Madison WD	\$700	Actual Cost	Actual Cost
Stanford -inside	\$200	\$750 + T&M**	\$750 + T&M**
-outside	\$250	\$750 + T&M**	\$750 + T&M**
Stanford (Hubble/Pine Hall)	\$750	\$250 + T&M**	\$250 + T&M**
Stanton	\$950	\$1,050	Actual Cost
US 60 WD	\$1,000	\$1,275	Actual Cost
Versailles (includes sewer)	\$2,000	\$2,300	\$3,500
Western Fleming WD	\$850	Actual Cost	Actual Cost
Western Rockcastle WA	\$700	Actual Cost + T&M	Actual Cost + T&M
Wilmore	\$1,000	\$1,800	\$7,110
Winchester*	\$700	\$1,100	\$2,250

^{*}Winchester also charges a System Development Charge (in most cases, the same as an impact fee).

Significantly higher SDC's are imposed for customers who require a larger meter.

Winchester has also begun to implement a privilege fee charge.

^{**}Time & Materials

^{***}New service connection fees include \$635 tap fee plus meter installation costs

¹Served by Kentucky American therefore follows KAWC tap fee schedule

Table 9
NUMBER OF WATER CUSTOMERS FOR MUNICIPALITIES

Utility Name	Residential	Commercial	Industrial & Other	Wholesale	Total
Berea	3,638	493	12	2	4,143
Berry					Note 1
Burgin	444	30			474
Carlisle	900	73	103	2	1,076
Clay City	635	55	4		694
Crab Orchard	545	31			576
Cynthiana	2,260	216	75	1	2,551
Danville	10,172	933	18	5	11,123
Eubank	4235	121		2	4,356
Frankfort	13,401	2,613	9	8	16,023
Georgetown	12,559	1,422	13		13,994
Harrodsburg	4,321	294	74	3	4,689
Hustonville	1895	15	1		1,911
Irvine	1,791	151	1	1	1,943
Junction City					Note 2
Lancaster	1,518	230	46	2	1,794
Lawrenceburg	6,054	362	14	1	6,430
Lexington-Fayette - KAWC					Note 3
Midway	706	49			755
Millersburg - KAWC	351	23		2	Note 3
Nicholasville	13,130	903	23	2	14,056
North Middletown - KAWC	389	11		1	400
Paris	4,710	440		2	5,150
Perryville					Note 2
Ravenna					Note 4
Richmond	10,962	1,121	67	2	12,150
Sadieville					Note 5
Stamping Ground					Note 5
Stanford	3,280	238	9	2	3,527
Stanton	2,050	200			2,250
Versailles	5,919	733	7	2	6,659
Wilmore	1,944	84		1	2,028
Winchester	11,084	810	51	2	11,947

Note 1: Retail service by Harrison County Water Association

Note 2: Retail service provided by Danville; customer totals included with Danville

Note 3: Retail service provided by Kentucky-American Water Company, customer totals reflect serviced County only

Note 4: Retail service provided by Irvine; customer totals included with Irvine

Note 5: Retail service provided by Georgetown; customer totals included with Georgetown

Table 10
CUSTOMERS BY TYPE FOR RURAL/SUBURBAN WATER UTILITIES

Utility Name	Residential	Commercial	Industrial & Other	Wholesale	Total
Corinth Water District	1,115	356			1,471
East Casey Water District	4,707	62		1	4,770
East Clark County Water District	2,480	20			2,500
Elkhorn Water District	576	8			584
Estill County Water District No. 1	3,600	215		1	3,816
Farmdale Water District	2,535	115			2,650
Garrard County Water Association	5,541	77			5,618
Harrison County Water Association	6,208	279			6,487
Jackson County Water Association	4,353	219	11	4	4,587
Jessamine County Water District No. 1	1,610	554			2,164
Jessamine South Elkhorn Water District	2,973	73			3,046
Judy Water Association	1,949	9		1	1,959
Kirksville Water Association	1,932	46			1,978
Lake Village Water Association	2,420	33		1	2,454
Madison County Utility District	10,417	729	26		11,172
McKinney Water District	2,317	31			2,348
Nicholas County Water District	1,542	11		1	1,554
North Mercer Water District	4,236	80	50		4,366
North Shelby Water Company	4,890	39			4,929
Northeast Woodford Water District	995	1			996
Parksville Water District	1,570	9			1,579
Peaks Mill Water District	1,166	8			1,174
Powells Valley Water District	2,200	122	1	1	2,324
Reid Village Water District	1,103	39			1,142
Sharpsburg Water District	1,411	26	3		1,440
South Anderson Water District	2,861	67		1	2,929
Southern Madison Water District	4,922	98	3	1	5,024
South Woodford Water District	1,597	21			1,618
US 60 Water District	2,376	16			2,392
Western Fleming Water District	1,456	22	2	2	1,482
Western Rockcastle Water Association	4,214	22			4,236

Note: A "customer" is defined as an active water account. Usually, but not always, one account (of one water meter) serves a single household, business, or industry.

Utilities Purchasing Water for Resale

Table 11

Among the 40 utilities that purchase potable water for resale, 75 percent are rural/suburban water districts or rural/suburban water associations. The remaining are, for the most part, small cities that purchase potable water from others for resale to their own customers.

Of the cities who sell potable water to smaller utilities for resale, some charge the same rate as they charge to other customers purchasing a like quantity. Other cities sell water at a special flat rate (to water districts, etc.), while still others sell their water on a special sliding scale rate. One fact about wholesale water rates to rural water utilities is quite clear--the wholesale rate is headed upward just as the retail rate is.

When available, the information used to calculate the data presented in Table 11 was provided by the utility purchasing water for resale. If information from the purchasing utility was not available, information from the supplying utility was used in these calculations. For many water districts and water associations, data from the utility's annual report to the Kentucky Public Service Commission was used.

Table 11 CUSTOMER, WATER USAGE, AND PURCHASE PRICE DATA Water Utilities Purchasing Water for Resale

	Number	Average	Daily Purchase	Effective	Purchase Price			
	of	in	in	in	in	Supplier		
	Customers	1000 gal.	100 cu.ft.	\$/1000 gal.	\$/100 cu.ft.			
Buffalo Trail WA	1,527	362	484	1.63	1.22	W. Fleming WD		
		19	25	2.34	1.75	Maysville Water		
Burgin	475	43	57	0.91	0.68	Harrodsburg ¹		
Clay City	694	141	189	2.73	2.04	Beech Fork WC		
				3.50	2.62	Stanton WC*		
Corinth WD	1,263	207	277	2.63	1.97	Williamstown		
Crab Orchard	569	123	164	1.99	1.49	Lancaster		
E. Casey Co. WD	4,672	0	0.00	2.50	1.87	Columbia/Adair Utilities		
•		52	70	1.97	1.47	Campbellsville		
		736	984	2.55	1.91	Liberty		
		85	114	2.98	2.23	Russell Springs		
E. Clark Co. WD	2,500	361	483	2.30	1.72	Winchester Utilities		
		0.3	0.6	2.45	1.83	KAWC		
Elkhorn WD	578	187	250	2.64	1.97	Frankfort		
Estill Co. WD	3,812	706	944	3.13	2.34	Irvine		
		1	1	3.50	2.62	Jackson Co. WA		
Eubank	4,358	856	1,144	2.50	1.87	Somerset		
Farmdale WD	2,656	613	820	2.55	1.91	Frankfort		
Garrard Co. WA	5,683	881	1,178	2.21	1.65	Lancaster		
		209	279	2.41	1.80	Danville		
		66	88	2.64	1.97	Berea		
Georgetown MWSS	13,994	286	382	3.94	2.95	Frankfort		
•		5	6	4.91	3.67	KAWC		
Harrison Co. WA	6,487	869	1,162	3.15	2.36	Cynthiana		
		10	13	2.25	2.25	Paris		
		750	1,003	4.57	3.42	KAWC (incl. Millersburg)		
		66	88	2.25	1.68	Nicholas Co. WD		
Hustonville	1,875	348	465	2.47	1.85	Danville		
Jessamine Co. WD #1	2,500	574	767	4.60	3.44	Nicholasville		
		117	156	4.60	3.44	KAWC		
Jessamine South Elkhorn WD	3,046	633	846	4.42	3.31	KAWC		
		0.05	0	6.28	4.70	Wilmore		
		84	112	2.92	2.18	Nicholasville		
Judy WA	1,959	332	444	3.11	2.33	Mt. Sterling		
			0	5.01	3.75	KAWC		
Kirksville WA	2,010	309	413	3.57	2.67	Richmond		
Lake Village WA	2,501	146	195	2.47	1.85	Harrodsburg ¹		
-		441	590	2.41	1.80	Danville		
Madison County Utilities District	10,954	1,945	2,600	3.33	2.49	Richmond		
McKinney WD	2,348	255	341	2.99	2.24	Stanford		
•	,	70	94	3.60	2.69	Eubank		
Midway	774	186	249	4.21	3.15	KAWC		

¹ Harrodsburg charges a tiered fee schedule to wholesale customers. Charges listed in table reflect the average charge per 1,000g or 100 cf reported by the system during annual

^{*}occasional purchases only

Table 11 (continued) CUSTOMER, WATER USAGE, AND PURCHASE PRICE DATA Sewage Treatment Service from Others

	Number	Average	Daily Purchase	Effective	Purchase Price		
	of	in	in	in	in	Supplier	
	Customers	1000 gal.	100 cu.ft.	\$/1000 gal.	\$/100 cu.ft.		
Nicholas Co. WD	1,550	11	15	1.58	1.18	Carlisle	
		286	382	1.63	1.22	W. Fleming WD	
		16	21	2.02	1.51	Buffalo Trail WA	
		0.7	0.9	2.25	1.68	KAWC - Millersburg	
Nicholasville	14,058	177	237	4.90	3.67	KAWC**	
North Mercer WD	4,366	721	964	2.30	1.72	Harrodsburg ¹	
		104	139	3.55	2.66	South Anderson WD	
North Shelby Water Co.	4,903	339	453	2.11	1.58	Shelbyville	
		701	937	2.25	1.68	Louisville Water Co.	
		212	283	2.55	1.91	Frankfort	
				1.99	1.49	West Shelby WD	
Northeast Woodford Co. WD	1,027	279	373	2.33	1.74	Versailles	
		113	151	2.55	1.91	Frankfort	
Parksville WD	1,606	318	425	2.68	2.00	Danville	
Peaks Mill WD	1,178	218	291	2.64	1.97	Frankfort	
		1	1	4.21	3.15	KAWC	
Powells Valley WD	2,323	409	547	2.73	2.04	Beech Fork WC	
_		2	3	3.5	2.62	Stanton	
Reid Village WD	1,142	175	234	3.11	2.33	Mt. Sterling	
Sharpsburg WD	1,440	209	279	3.66	2.74	Bath Co. WD	
	, i	65	87	3.31	2.48	Carlisle	
South Anderson WD	2,961	225	301	3.23	1.89	Lawrenceburg	
	, i	312	417	2.84	2.12	Frankfort	
South Woodford WD	1,618	460	615	2.32	1.74	Versailles	
Southern Madison WD	5,380	967	1,293	2.64	1.97	Berea	
Stanton	2,250	511	683	2.73	2.04	Beech Fork WC	
		2.4	3.21	3.50	2.62	Powells Valley WD	
US 60 WD	2,230	263	352	2.55	1.91	Frankfort	
Western Fleming WD	1,471	104	139	1.86	1.39	Greater Fleming WC	
Western Rockcastle WA	4,236	656	877	2.93	2.19	Mt. Vernon	
	.,_30	16	21	2.93	2.19	Brodhead	
		20	27	2.93	2.19	Southern Madison WD	
Average	3,274	303	400	\$2.94	\$2.20	<u> </u>	

^{*}occasional purchases only

Sewage Treatment Service from Others

		Troutinont Gor Floor Ironi Guilor	•
	Number of	Purchasing Wastewater	Effective Price
	Customers	Treatment Service from	in \$/1,000 gal.
Lincoln County SD	585	City of Danville	2.25
Mercer County SD	803	City of Harrodsburg	4.55
		City of Danville	1.87
Harrison County SD	115	City of Cynthiana	6.5
Jessamine Sout Elkhorn WW	841	LFUCG	8.57

^{**}adjusted to include KRA fee and likely meter charge

^{&#}x27;Harrodsburg charges a tiered ree schedule to wholesale customers. Charges listed in table reflect the average charge per 1,000 or 100 or reported by the system during annual visits.

Table 12 WATER UTILITIES that bill for E-911

Utility	Charge per water meter
Carlisle	\$2.00
Crab Orchard	\$4.00
Cynthiana	\$4.00
Eubank	\$4.00
Frankfort Plant Board **	\$1.00
Garrard Co. WA	\$4.00
Harrison Co. WA	\$4.00
Hustonville	\$4.00
Jessamine Co. WD #1	\$4.75
Lancaster	\$4.00
Lawrenceburg*	
Nicholasville	\$4.75
Nicholas Co. WD	\$2.00
Paris	\$4.50
Stanford	\$4.00
Western Rockcastle WA	\$4.00
Wilmore	4.75
Average	\$3.98

Comparative Wastewater Rate Data and Fees

Tables 13, 14, 15 and 16

These tables compare **monthly** wastewater rates at different usage levels. The usage levels were selected, in part, for their ease of conversion from gallons to cubic feet (one hundred cubic feet is approximately equal to 750 gallons):

2,000 gal	or 26	67 cf	This represents a minimum quantity for many utilities.
3,000 gal	or 40	00 cf	This could represent the small family of modest means.
4,000 gal	or 53	35 cf	This is frequently defined as an "average" residential consumption.
6,000 gal	or 80	00 cf	This could represent the average family with children, with cars to wash, and with occasional yard watering.
30,000 gal	or 4,00	00 cf	This could represent the average commercial establishment, e.g., a busy service station or restaurant.
300,000 gal	or 40,00	00 cf	This could represent an industrial customer.

For each usage level, the utility's rank among comparable utilities and the percent deviation from the average are presented.

Experience has shown that the actual cost of providing wastewater service is greater than the cost of providing water service. In recent years, many cities have come to accept the fact that water revenues should be sufficient to pay for the water system while wastewater revenues should be sufficient to pay for the wastewater system. For most cities then, wastewater charges are no longer a percentage of the water bill but instead are charged according to a separate rate schedule.

Table 13 WASTEWATER RATE COMPARISON

City Customers
Bluegrass Area Cities Over Population 2,500
(In Gallons and Cubic Feet)

				Cost Per Month For:																		
	Effective		Min.	2	2,000		% Dev.	3,000		% Dev.	4,000		% Dev.	6,000		% Dev.	30,000		% Dev.	300,000		% Dev.
	Date	Min.	Quantity	(9	gal.)		from	(gal.)		from	(gal.)		from									
	for Rates	Bill	(gal.)	(20	67 cf)	Rank	Mean	(400 cf)	Rank	Mean	(535 cf)	Rank	Mean	(800 cf)	Rank	Mean	(4,000 cf)	Rank	Mean	(40,000 cf)	Rank	Mean
Berea	Jul-19	\$ 10.50	1500	\$	13.64	3	-22	\$ 19.92	4	-20	\$ 26.20	5	-20	\$ 38.76	5	-19	\$ 189.48	4	-20	\$ 1,885.08	4	-19
Cynthiana	Jul-19	21.63	2000		21.63	14	23	28.10	14	13	34.57	13	6	47.51	11	-1	202.79	7	-14	1,949.69	6	-17
Danville**	Aug-19	4.28	0		16.82	10	-4	23.09	10	-7	29.37	6	-10	41.91	6	-12	192.40	5	-19	1,918.65	5	-18
Frankfort	Jul-18	21.88	2000		21.88	15	25	32.82	16	32	43.76	16	34	65.64	16	37	328.20	16	39	3,282.00	16	40
Georgetown	Aug-19	10.06	2000		10.06	1	-43	16.76	2	-33	23.46	2	-28	36.86	4	-23	197.66	6	-16	2,006.66	7	-14
Harrodsburg	Jun-19	14.29	1875		15.26	7	-13	23.05	9	-7	30.84	10	-5	46.41	10	-3	223.99	8	-5	2,197.79	9	-6
Irvine	Jul-18	15.58	2000		15.58	8	-11	24.44	11	-2	33.30	11	2	51.02	13	7	263.66	15	12	2,655.86	15	14
Lancaster	Aug-18	7.52	1000		15.04	6	-14	22.56	7	-9	30.08	9	-8	45.12	9	-6	225.60	10	-5	2,256.00	10	-4
Lawrenceburg	Jun-19	17.18	2000		17.18	11	-2	25.77	12	4	34.36	12	6	51.54	14	8	257.70	12	9	2,577.00	13	10
Lexington*	Jul-19	7.01	750		19.33	12	10	22.85	8	-8	29.89	8	-8	43.97	7	-8	259.28	13	10	2,574.08	12	10
Nicholasville	Aug-19	6.75	0		16.25	9	-8	21.00	5	-16	25.75	4	-21	35.25	2	-26	150.45	1	-36	1,468.35	1	-37
Paris*	Jan-99	10.66	2000		10.66	2	-39	15.99	1	-36	21.32	1	-35	31.98	1	-33	174.82	3	-26	1,688.01	3	-28
Richmond*	Jul-19	27.15	2250		27.15	18	55	35.32	18	42	46.21	17	42	67.21	17	40	358.00	18	51	3,580.00	18	53
Stanford	Jun-16	14.32	2000		14.32	5	-18	19.71	3	-21	25.10	3	-23	35.88	3	-25	165.24	2	-30	1,620.54	2	-31
Stanton	Jul-19	23.18	2000		23.18	16	32	31.75	15	28	40.32	15	24	57.46	15	20	263.14	14	11	2,577.04	14	10
Versailles	Jul-19	13.48	1000		20.78	13	18	28.08	13	13	35.38	14	9	49.98	12	4	225.18	9	-5	2,079.18	8	-11
Wilmore	Jul-19	14.19	2000		14.19	4	-19	21.86	6	-12	29.53	7	-9	44.87	8	-6	228.95	11	-3	2,299.85	11	-2
Winchester	Apr-19	8.73	750		23.28	17	33	34.92	17	40	46.56	18	43	69.84	18	46	349.20	17	48	3,492.00	17	49
Average		\$ 13.80	·	\$	17.57			\$ 24.89			\$ 32.56			\$ 47.84			\$ 236.43		·	\$ 2,339.32		

^{*}non-residential rate for 30,000 gallons and 300,000 gallons

Rank:

Lowest

^{**}Danville's 40,000 cf charge is based upon the industrial rate

Table 14 WASTEWATER RATE COMPARISON

Out-of-City Customers Bluegrass Area Cities Under Population 2,500 (In Gallons and Cubic Feet)

				Cost Per Month For:																	
	Effective		Min.	2,000		% Dev.	3,000		% Dev.	4,000		% Dev.	6,000		% Dev.	30,000		% Dev.	300,000		% Dev.
	Date	Min.	Quantity	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from	(gal.)		from
	for Rates	Bill	(gal.)	(267 cf)	Rank	Mean	(400 cf)	Rank	Mean	(535 cf)	Rank	Mean	(800 cf)	Rank	Mean	(4,000 cf)	Rank	Mean	(40,000 cf)	Rank	Mean
Berea***	Jul-19	\$ 10.50	1500	\$ 14.70	3	-37	\$ 23.10	6	-30	\$ 31.50	6	-27	\$ 48.30	7	-24	\$ 249.90	8	-15	\$ 2,517.90	11	-4
Cynthiana*	Jul-19	21.63	2000	21.63	9	-30	28.10	8	-39	34.57	8	-44	47.51	6	-49	202.79	3	-56	1,949.69	4	-58
Danville*	Aug-19	4.28	0	16.82	6	-28	23.09	5	-30	29.37	2	-32	41.91	2	-34	192.40	1	-34	1,918.65	1	-26
Danville ¹	Aug-19	4.28	0	30.36	16	30	43.40	16	31	56.44	16	30	82.52	16	30	395.48	17	35	1,918.65	1	-26
Danville ²	Aug-19	4.28	0	39.49	18	69	57.09	18	72	74.70	18	72	109.91	18	73	532.40	19	82	1,918.65	1	-26
Frankfort*	Jul-18	21.88	2000	21.88	11	-6	32.82	12	-1	43.76	12	1	65.64	13	3	328.20	14	12	3,282.00	16	26
Georgetown*	Aug-19	10.06	2000	10.06	1	-57	16.76	1	-50	23.46	1	-46	36.86	1	-42	197.66	2	-32	2,006.66	5	-23
Harrodsburg*	Jun-19	14.29	1870	15.26	5	-35	23.05	4	-31	30.84	5	-29	46.41	5	-27	223.99	4	-23	2,197.79	7	-16
Irvine	Jul-18	21.57	2000	21.57	8	-8	30.59	11	-8	39.61	11	-9	57.65	11	-9	274.13	11	-6	2,709.53	13	4
Lancaster	Aug-18	11.28	1000	22.56	12	-3	33.84	13	2	45.12	14	4	67.68	15	6	338.40	15	16	3,384.00	17	30
Lawrenceburg*	Jun-19	17.18	2000	17.18	7	-26	25.77	7	-22	34.36	7	-21	51.54	9	-19	257.70	10	-12	2,577.00	12	-1
Nicholasville**	Aug-19	8.85	0	23.07	13	-1	30.18	10	-9	37.29	9	-14	51.51	8	-19	224.80	5	-23	2,197.60	6	-16
Paris**	Jan-09	14.92	2000	14.92	4	-36	22.38	3	-33	29.84	4	-31	44.77	3	-30	244.75	7	-16	2,363.21	9	-9
Richmond**	Jul-19	54.30	2250	54.30	19	133	70.64	19	113	92.43	19	113	134.46	19	111	358.00	16	22	3,580.00	18	37
Stanford	Jun-16	21.70	2000	21.70	10	-7	29.92	9	-10	38.14	10	-12	54.58	10	-14	251.86	9	-14	2,471.26	10	-5
Stanton	Jul-19	25.84	2000	25.84	14	11	35.36	14	6	44.88	13	3	63.92	12	0	292.40	12	0	2,862.80	15	10
Versailles	Jul-19	17.18	1000	27.06	15	16	36.94	15	11	46.82	15	8	66.58	14	5	303.70	13	4	2,801.80	14	7
Wilmore*	Jul-19	14.19	2000	14.19	2	-39	21.86	2	-34	29.53	3	-32	44.87	4	-29	228.95	6	-22	2,299.85	8	-12
Winchester	Apr-19	11.56	750	30.83	17	32	46.24	17	39	61.65	17	42	92.48	17	45	462.40	18	58	4,624.00	19	77
Average	, and the second	\$ 16.30	·	\$ 23.34			\$ 33.22			\$ 43.38			\$ 63.64			\$ 292.63			\$ 2,609.53		

^{*}same as in-city rates

Note: Stanton has no sewer service outside of Stanton City Limits.

Note: As of September 2013, the Red River Wastewater Authority will asume day to day operation for Stanton and Clay City via its new Regional wastewater facility.

Rank:



^{**}assumes 1" water meter for 30,000 gallons; 3" water meter for 300,000 gallons

^{***}Monthly for SMWD Water customers

¹Junction City

²Perryville

Table 15 WASTEWATER RATE COMPARISON

City Customers Bluegrass Area Cities Under Population 2,500 (In Gallons and Cubic Feet)

			Cost Per Month For:																
	Effective		Min.	Min.	2,000		% Dev.	3,000		% Dev.	4,000		% Dev.	6,000		% Dev.	30,000		% Dev.
	Date	Min.	Quantity	Qty.	(gal.)		From	(gal.)		From	(gal.)		From	(gal.)		From	(gal.)		From
	for Rates	Bill	(gal.)	(cf)	(267 cf)	Rank	Mean	(400 cf)		Mean	(535 cf)	Rank	Mean	(800 cf)	Rank	Mean	(4000 cf)	Rank	Mean
Berry	Jan-12	\$ 27.00	2,000	267	\$ 21.00	4	-21	\$ 31.00	6	-15	\$ 41.00	6	-9	\$ 61.00	7	-1	\$ 301.00	11	21
Carlisle	Jul-19	17.05	2,000	267	17.05	3	-36	21.59	3	-40	26.13	3	-42	35.05	1	-43	116.97	2	-53
Clay City	Jul-17	25.10	2,000	267	25.10	10	-6	38.15	9	5	51.20	10	14	77.30	14	26	390.50	14	57
Crab Orchard	Jul-18	18.00	1,000	133	24.00	8	-10	30.00	5	-17	36.00	4	-20	48.00	4	-22	192.00	4	-23
Farmdale SD	Jul-19	25.00	0	0	35.00	12	31	40.00	10	10	45.00	8	0	55.00	6	-10	175.00	3	-30
Jessamine S.E.	Jul-18	24.38	2,000	267	24.38	9	-9	48.13	14	33	60.32	14	34	72.51	12	18	365.70	13	47
Lincoln Co. SD	Jun-19	25.43	0	0	38.65	13	45	45.26	12	25	51.87	11	15	65.09	9	6	223.73	8	-10
Mercer County SD	Aug-14	40.00	2,000	267	40.00	14	50	46.50	13	28	53.00	12	18	66.00	10	8	222.00	7	-11
Midway	Feb-13	14.60	1,000	133	21.90	5	-18	29.20	4	-19	36.50	5	-19	51.10	5	-17	226.30	9	-9
Millersburg**	Oct-18	11.60	1000	133	23.20	6	-13	34.80	8	-4	46.40	9	3	69.60	11	13	348.00	12	40
N.Madison Co.SD*	Jan-19	41.75	2,100	280	41.75	15	56	50.83	15	40	60.92	15	35	75.74	13	23	75.74	1	-70
N.Middletown**	Feb-19	23.99	2,000	267	23.99	7	-10	34.11	7	-6	44.23	7	-2	63.12	8	3	243.80	10	-2
Powells Valley SD	Oct-17	27.57	2,000	267	27.57	11	3	41.35	11	14	55.13	13	22	82.69	15	35	413.41	15	66
Sadieville***	Aug-19	10.06	2,000	267	10.06	1	-62	16.76	1	-54	23.46	1	-48	36.86	2	-40	197.66	5	-21
Stamping Ground***	Aug-19	10.06	2,000	267	10.06	1	-62	16.76	1	-54	23.46	1	-48	36.86	2	-40	197.66	5	-21
Average		\$ 23.68	•	•	\$ 26.69			\$ 36.26			\$ 45.08			\$ 61.36		•	\$ 249.42	-	

^{*}residential sewer bill capped at \$71.75/month assuming one house on one water meter

Note: Eubank has no wastewater system.

Rank:

Highest

Lowest

^{**}Now owned and operated by KAWC

^{***}Now served by GMWSS. Their fee schedule follows that of GMWSS customers.

Table 16 WASTEWATER RATE COMPARISON

Out-of-City Customers Bluegrass Area Cities Under Population 2,500 (In Gallons and Cubic Feet)

			Cost Per Month For:																
	Effective		Min.	Min.	2,000		% Dev.	3,000		% Dev.	4,000		% Dev.	6,000		% Dev.	30,000		% Dev.
	Date	Min.	Quantity	Qty.	(gal.)		From	(gal.)		From									
	for Rates	Bill	(gal.)	(cf)	(267 cf)	Rank	Mean	(400 cf)	Rank	Mean	(535 cf)	Rank	Mean	(800 cf)	Rank	Mean	(4000 cf)	Rank	Mean
Berry*	Jan-12	\$ 21.00	2,000	267	\$ 21.00	3	-28	\$ 31.00	5	-21	\$ 41.00	5	-16	\$ 61.00	6	-7	\$ 301.00	10	12
Carlisle	Jul-19	22.17	2,000	267	22.17	4	-24	28.06	3	-29	33.95	3	-30	45.54	3	-31	235.54	8	-13
Clay City	Jul-17	28.00	2,000	267	28.00	10	-4	42.56	10	8	57.12	12	17	86.24	14	31	435.68	14	62
Crab Orchard*	Jul-18	18.00	1,000	133	24.00	7	-18	30.00	4	-24	36.00	4	-26	48.00	4	-27	192.00	3	-29
Farmdale SD	Jul-19	25.00	0	0	35.00	11	20	40.00	8	2	45.00	7	-8	55.00	5	-17	175.00	2	-35
Jessamine S.E.*	Jul-18	24.38	2,000	267	24.38	8	-16	48.13	13	22	60.32	13	24	72.51	11	10	365.70	12	36
Lincoln Co. SD	Jun-19	25.43	0	0	38.65	12	33	45.26	11	15	51.87	9	6	65.09	8	-1	223.73	7	-17
Mercer County SD	Aug-14	40.00	2,000	267	40.00	13	37	46.50	12	18	53.00	10	9	66.00	9	0	222.00	6	-18
Millersburg**	Oct-19	11.60	1000	133	23.20	5	-20	34.80	7	-12	46.40	8	-5	69.60	10	6	348.00	11	29
N.Madison Co.SD*	Jan-18	41.75	2,100	280	41.75	14	43	50.83	14	29	60.92	14	25	75.74	12	15	75.74	1	-72
N. Middletown**	Jul-17	23.99	2,000	267	23.99	6	-18	34.11	6	-13	44.23	6	-9	63.12	7	-4	243.80	9	-9
Powells Valley SD*	Oct-17	27.57	2,000	267	27.57	9	-5	41.35	9	5	55.13	11	13	82.69	13	26	413.41	13	54
Sadieville***	Nov-07	10.06	2,000	267	10.06	1	-65	16.76	1	-57	23.46	1	-52	36.86	1	-44	197.66	4	-27
Stamping Ground***	Nov-07	10.06	2,000	267	10.06	1	-65	16.76	1	-57	23.46	1	-52	36.86	1	-44	197.66	4	-27
Average		\$ 25.74	-		\$ 29.14	-	-	\$ 39.38		-	\$ 48.75			\$ 65.88		-	\$ 269.30		

^{*}same as city rates

Note: Eubank has no wastewater system.

Note: Junction City is served by Danville

Rank:

Highest Lowest

^{**}Now owned and operated by KAWC

^{***}Now served by GMWSS. Their fee schedule follows that of GMWSS customers.

Table 17 WASTEWATER Tap-on Fees

	3/4x5/8	1" Meter
Berea (SMWD Customers)	\$400 (\$600)	\$1000 (\$1,500)
Berry	\$650	
Carlisle	\$500	
Clay City	Actual Cost	Actual Cost
Crab Orchard	\$500	
Cynthiana	\$500	\$800
Danville	\$50 in-city; \$80 outside-city	
Frankfort	\$2,192 / \$3013	\$4,655
Georgetown	\$1,500 per ERU ¹	
Harrison County SD***		
Harrodsburg*	\$650	
Irvine	\$700 in-city; \$800 out-of-city	
Jessamine S. Elkhorn SD	based on lot size	
Lancaster	\$1,000	
Lawrenceburg	\$1,000	
LFUCG	see note ⁵ below	

	3/4x5/8	1" Meter
Lincoln County SD	\$500	
Mercer County SD	\$500	
Midway	\$1,500	\$1,995
Millersburg**	\$625 and up	
Nicholasville	\$800 per ERU ²	
North Madison SD	\$1,200 plus a \$750/acre development fee	
North Middletown**	\$625 and up	
Paris	\$900	\$900
Powells Valley SD	1010.50 + road bore if needed	
Richmond	no tap on fee but ³	
Stanford	\$500	\$500
Stanton*	\$950	\$1,050
Versailles	\$1,500 if not city water customer	
Wilmore	\$1,000	
Winchester	\$400 ⁴	

¹ Equivalent residential units (ERU) or 4,500 gallons per month

² Nicholasville defines an ERU as a customer who uses up to 350 gallons of water daily

³ Wastewater assessments for residential customers run from \$900 to \$1,100 Development fees are \$850.00 per acre

⁴ Winchester also charges a System Development Charge (in most cases, the same as an impact fee). Significantly higher SDC's are imposed for customers who require a larger meter. The SDC is \$1,000 for a wastewater customer who has a 5/8-inch water meter. Winchester has also begun to implement a privilege fee charge.

⁵ For single-family residences, \$1,246.12 for 1/4 acre lot or smaller; \$2,313.99 for 1/4 acre to 1/2 acre; \$3384.82 for 1/2 acre to 3/4 acre; \$4,630.94 for 3/4 acre to 1 acre; \$5,597.20 for a lot larger than 1 acre. (As of 7/1/2019)

^{*}Minimum 4" Tap

^{**}System purchased by KAWC and follows their fee schedules

^{***}Minimum 1 1/2" tap \$285, 2" tap \$500

Table 18
PUBLICLY-OWNED WASTEWATER TREATMENT PLANT FLOWS IN THE BLUEGRASS AREA 2012 - 2018

	Treatment Plant Rated								Percent Change 2017/
Wastewater Treatment Facility	on MGD	2012	2013	2014	2015	2016	2017	2018	2018
Berea	4.32	2.950	2.950	3.100	3.400	2.920	3.289	3.84	14
Carlisle	0.37	0.280	0.280	0.275	0.280	0.237	0.147	0.242	39
Crab Orchard	0.11	0.050	0.050	0.050	0.105	0.126	0.075	0.075	0
Cynthiana	6.00	0.870	0.900	0.910	1.080	0.747	0.773	1.1	30
Danville	6.50	4.590	4.450	5.112	5.214	5.260	5.263	6.05	13
Danville - Perryville	0.10	N/A	N/A	N/A	N/A	0.175	0.118	0.256	54
Frankfort	9.90	7.080	7.810	7.340	8.560	7.846	8.14	9.041	10
Georgetown No. 1	4.50	2.650	3.290	3.240	3.560	2.960	3.022	4.173	28
Georgetown No. 2	2.20	0.920	1.038	1.040	1.040	1.340	1.41	1.51	7
Harrodsburg	2.68	1.330	1.330	1.510	2.000	1.890	2.012	2	-1
Irvine*	0.60	0.520	0.520	0.656	0.620	0.657	0.695	0.845	18
Lancaster	1.00	0.540	0.510	0.510	0.473	0.300	0.35	0.35	0
Lawrenceburg	3.30	1.500	1.500	2.140	2.140	1.680	1.738	1.738	0
Lexington Town Branch	30.00	16.350	21.270	23.100	19.758	18.390	18.39	26.41	30
Lexington West Hickman	33.87	15.430	21.650	20.390	20.390	17.470	15.22	22.943	34
Midway	0.75	0.200	0.270	0.270	N/A	0.110	0.156	0.078	-100
Millersburg - KAWC	0.20	0.130	0.089	0.115	N/A	N/A	0.065	0.125	48
Nicholasville	4.10	3.410	3.410	3.657	3.996	3.621	3.244	4.784	32
North Middletown - KAWC	0.085	0.060	0.055	0.049	0.050	0.100	0.04	0.04378	9
Northern Madison County S.D.(Exec.Park)	0.03	N/A	0.013	0.021	0.012	0.012	0.011	0.012	8
Northern Madison County S.D.	1.00	0.210	0.210	0.176	0.181	0.144	0.165	0.22	25
Northern Madison County S.D. (Battlefield Est.)	0.11	N/A	N/A	N/A	N/A	0.074	0.064	0.088	27
Northern Madison County S.D. (Muddy Creek)	0.20	N/A	N/A	N/A	N/A	0.061	0.064	0.092	30
Paris	2.70	1.320	1.320	1.484	1.519	1.742	1.14	1.958	42
Powells Valley Water District - Nada / Slade	0.08	0.010	0.190	0.026	0.028	0.400	0.028	0.035	20
Red Rvier Wastewater Authority	1.40	N/A	0.530	0.753	0.064	0.747	0.761	1.079	29
Richmond Silver Creek	1.00	0.250	0.250	0.200	0.367	0.292	0.32	0.415	23
Richmond Otter Creek	8.00	4.440	4.440	4.400	5.180	4.670	4.4	5.47	20
Stamping Ground (GMWSS #3)	0.14	0.090	0.054	0.054	0.062	0.063	0.058	0.07	17
Stanford	1.20	0.840	1.144	1.144	1.144	1.256	0.902	1.249	28
Versailles	3.00	1.990	2.570	2.590	2.595	2.135	2.376	3.087	23
Wilmore	1.00	0.470	0.470	0.520	0.683	0.594	0.58	0.736	21
Winchester - Lower Howards Creek	2.00	N/A	0.852 4.377	0.610	0.930 3.930	0.930	0.9	1.1	18
Winchester - Strodes Creek	7.20	3.657		3.260		4.110	3.74	4.54	18
Average	3.88	2.00	2.44	2.46	2.48	2.31	2.21	2.94	25

*Estill Co. WD #1 sewer customers now served by Irvine

Table 19 **NUMBER of WASTEWATER CUSTOMERS for MUNICIPALITIES**

Utility Name	Residential	Commercial	Industrial & Other	KISOP
Berea	5,453	511		
Berry	99	2	4	
Burgin				
Carlisle	808	72	84	
Clay City	403	54	5	
Crab Orchard	282	31		
Cynthiana	2,151	196	59	
Danville	5,222	888	17	2
Eubank				
Frankfort	12,000	2,182	14	
Georgetown	14,384	1,487	12	
Harrodsburg	3,986	276	66	1
Hustonville				
Irvine	1,729	205		
Junction City				
Lancaster	1,784	225	38	
Lawrenceburg	5,326	340	12	
Lexington-Fayette	106,033	8,417	543	1
Midway	681	49		
KAWC - Millersburg*	292	20		
Nicholasville	10,296	819	25	
KAWC - North Middletown*	237	11		
Paris	4,182			
Perryville				
Ravenna				
Richmond	10,744	1,139	49	
Sadieville				
Stamping Ground				
Stanford	1,774	196	1	
Stanton	973	188		
Versailles	5,300	700		
Wilmore	1,595	46	27	
Winchester	10,738	794	54	

Note 1: Sewer service will become available upon completion of local Sanitation District sewer extension projects

Customers by Type for Rural/Suburban Sewer Utilities

Utility Name	Residential	Industrial & Other	Total
Farmdale SD	1000		1000
Harrison Co. SD	101	2	103
Jessamine S. Elkhorn WW	746	95	841
Lincoln Co. SD	535	50	585
Mercer Co. SD	784	19	803
Nicholas Co. SD #2	99		99
Northern Madison Co. SD	1860	61	1921
Powells Valley Sewer Div.	56	48	104

Note 2: Retail sewer service provided by Irvine; customer totals included with Irvine

Note 3: Retail sewer service provided by Danville; customer totals included with Danville

Note 4: Retail sewer service provided by Georgetown; customer totals included with Georgetown

^{*}System was purchased and is now operated by KAWC

Table 20
WATER AND WASTEWATER CUSTOMERS BY COUNTY OF RESIDENCE

COUNTY	WATER	WASTEWATER	COUNTY	WATER	WASTEWATER
Anderson Lawrenceburg	6,715	5,923	Fayette KAWC	115,628	0
S. Anderson WD	2,950	0	Lexington (Town Branch + West Hickman)	0	114,727
US 60 W D	63	0	Nicholasville	391	0
N. Mercer WD	34	0	NE Woodford WD	21	0
Farmdale WD	21	0	Georgetown MWSS	3	0
Frankfort PB	1	0	Jessamine South Elkhorn	2	0
Total	9,784	5,923	Total	116,045	114,727
Bourbon			Franklin		
Paris	5,111	4,182	Frankfort Water Plant Board	16,234	0
KAWC	1,257	0	Frankfort Sewer Department	0	14,192
KAWC - Millersburg	375	312	Farmdale WD	2,632	0
KAWC -North Middletown	400	281	Peaks Mill WD	1,116	0
Harrison Co. WA	1,276	0	Elkhorn WD	578	0
Judy W A	732	0	US 60 WD	436	0
Total	9,151	4,775	Georgetown MWSS	1	0
			Farmdale SD	0	1,000
Boyle			Total	20,997	15,192
Danville	10,910	6,850			
Danville (Perryville)	0	406	Garrard		
Parksville WD	1,555	0	Lancaster	1,782	1,643
Lake Village WA	377	0	Garrard Co. WA	5,467	0
Hustonville	20	0	Crab Orchard	89	0
N. Mercer WD	21	0	W. Rockcastle WA	21	0
Total	12,883	7,256	Garrard Co. SD*	0	0
Claule			Total	7,359	1,643
Clark Winchester Municipal Utilities	11,843	11,586	Harrison		
E. Clark WD	2,500	0	Cynthiana	2,700	2,700
KAWC	1,455	0	Berry	0	105
Judy W A	177	0	Harrison Co. WA	4,980	0
Reid Village WD	48	0	KAWC	101	0
Total	16,023	11,586	Corinth WD	58	0
			Buffalo Trail WA	27	0
Estill			E. Pendleton WD	6	0
Estill Co. W D # 1	3,800	0	Harrison Co. SD	0	101
Irvine Municipal Utilities	2,552	2,527	Total	7,872	2,906
Powell's Valley WD	122	0			
Jackson County WA	18	0			
Total	6,492	2,527			

^{*}Sanitation District not yet operational

Table 20 (continued) WATER AND WASTEWATER CUSTOMERS BY COUNTY OF RESIDENCE

COUNTY	WATER	WASTEWATER	COUNTY	WATER	WASTEWATER
Jessamine Nicholasville	13,667	11,342	Nicholas Carlisle	1,077	1,038
Wilmore	2,020	1,687	KAWC - Millersburg	1,077	0
Jessamine-S. Elkhorn W D	3,034	841	Nicholas Co. WD	1,550	0
Jessamine WD No. 1	2,500	0	Buffalo Trail	13	0
KAWC	1	0	Sharpsburg WD	585	0
Lexington (West Hickman)	0	140	Harrison Co. WA	78	0
Total	21,222	14,010	Nicholas Co SD #2	0	104
	,	,	Total	3,304	1,142
Lincoln					
Stanford	3,530	1,971	Powell		
Crab Orchard	480	314	Stanton	2,250	1,161
Hustonville	1,855	0	Clay City	694	463
Eubank	1,939	0	Red River Wastewater Authority**	0	2
McKinney WD	2,336	0	Powell's Valley WD	2,198	104
W. Rockcastle WA	618	0	Campton	30	0
Garrard Co. WA	165	0	Beech Fork WC	3	0
Parksville WD	3	0	Total	5,175	1,730
Southeastern WA	16	0			
Lincoln Co. SD	0	585	Scott		
Total	10,942	2,870	Georgetown MWSS	13,946	15,883
			Harrison Co. WA	91	0
Madison			KAWC	6,329	0
Richmond Utilities	12,151	12,262	Corinth WD	3	0
Berea	4,143	5,973	Total	20,369	15,883
Madison Co. Utilities	10,954	0			
S. Madison WD	5,380	0	Woodford		
Kirksville WA	2,010	0	Versailles	6,661	6,067
Garrard Co. W A	51	0	Midway	774	748
N. Madison Co. SD	0	1,921	S. Woodford WD	1,618	0
W. Rockcastle WA	115	0	N.E. Woodford WD	1,006	0
Total	34,804	20,156	Frankfort Water Plant Board	521	0
			KAWC	231	0
Mercer			Georgetown MWSS	28	0
Harrodsburg	4,740	4,243	Jessamine-S. Elkhorn WD	10	0
Burgin	475	0	Frankfort Sewer Department	0	4
N. Mercer WD	4,014	0	Total	10,849	6,819
Lake Village WA	2,134	0			
S. Anderson WD	6	0			
Mercer County SD	0	803			
Total	11,369	5,046			

^{*}Sanitation District not yet operational

^{**}Only treats waste from Clay City and Stanton

Table 21
WATER AND WASTEWATER CUSTOMERS BY COUNTY OF RESIDENCE
Counties Outside Bluegrass Area Served by Bluegrass Area Utilities

COUNTY	WATER	WASTEWATER
Casey		
McKinney Water District	12	0
Parksville Water District	48	0
Gallatin		
KAWC	178	0
Grant		
KAWC	64	0
Lee		
Estill Co. WD No. 1	12	0
Montgomery		
Powell's Valley WD	3	0

COUNTY	WATER	WASTEWATER
Owen		
Peaks Mills WD	62	0
Georgetown MWSS	16	0
KAWC	3,805	0
Pendleton		
Harrison County WA	62	0
Shelby		
Farmdale WD	3	0
Washington		
South Anderson WD	5	0
North Mercer WD	297	0

Table 22
WASTEWATER-UNSERVED HOUSEHOLDS*

	Household Population by County*	Estimate of Watered Households*	Estimate of Unwatered Households	Percent Unwatered
Anderson	10,177	10,115	62	0.61%
Bourbon	9,253	9,244	9	0.10%
Boyle	13,390	13,365	25	0.19%
Clark**	15,952	15,813	139	0.87%
Estill	6,927	6,861	66	0.95%
Fayette**	139,679	137,592	2,087	1.49%
Franklin	27,067	27,025	42	0.16%
Garrard	7,260	7,155	105	1.45%
Harrison	8,414	8,296	118	1.40%
Jessamine	20,983	20,933	50	0.24%
Lincoln	11,715	11,483	232	1.98%
Madison	20,096	19,944	152	0.76%
Mercer	10,939	10,910	29	0.27%
Nicholas	3,479	3,428	51	1.47%
Powell	6,583	6,502	81	1.23%
Scott	21,953	21,595	358	1.63%
Woodford	11,936	11,746	190	1.59%
	345,803	342,007	3,796	1.10%

The conclusion is that approximately just under 99% percent of the population within the Bluegrass Area Development District reside in homes that are connected to (or has access to) a publicly-owned water system while the other less than 2% resides in homes that still rely upon wells or some other means for drinking water.

^{*}Number of households compiled from structures provided by 911 data reconciled with mapping on available utility data.

^{**}Best estimate based on available data from American Community Survey and utility data

Table 23
WASTEWATER-Unserved Households*

	Household P <u>opulation by Count</u> y*	Estimate of Sewered Population**	Estimate of Unsewered Population	Percent Unsewered
Anderson	10,177	6,801	3,376	33.17%
Bourbon	9,253	5,924	3,329	35.98%
Boyle	13,390	9,808	3,582	26.75%
Clark**	15,952	11,250	4,702	29.48%
Estill	6,927	2,395	4,532	65.43%
Fayette**	139,679	131,252	8,427	6.03%
Franklin	27,067	21,832	5,235	19.34%
Garrard	7,260	1,990	5,270	72.59%
Harrison	8,363	2,940	5,423	64.85%
Jessamine	20,983	15,971	5,012	23.89%
Lincoln	11,715	4,246	7,469	63.76%
Madison	20,096	7,899	12,197	60.69%
Mercer	10,939	4,953	5,986	54.72%
Nicholas	3,479	1,335	2,144	61.63%
Powell	6,583	3,157	3,426	52.04%
Scott**	21,953	16,030	5,923	26.98%
Woodford	** 11,936	8,061	3,875	32.46%
	345,752	255,844	89,908	26.00%

¹Refers to persons whose homes are not connected to a publicly owned/operated wastewater treatment plant

The conclusion is that approximately 74.0 percent of the population within the Bluegrass Area Development District reside in homes that are connected to (or has access to) a publicly-owned wastewater treatment plant while the other 26.0 percent resides in homes that rely upon on-site or other means of wastewater disposal.

^{*}Number of households compiled from structures provided by 911 data reconciled mapping on available utility data.

^{**}Best estimate based on available data from American Community Survey and utility data

Table 24 BLUEGRASS AREA COUNTIES

Population **2010-2018***

	2010	2018		%	ADD
NAME	CENSUS	ESTIMATE	DIFFERENCE	CHANGE	RANK
Berea	13,561	15,787	2,226	16.4%	5
Berry	264	260	-4	-1.5%	27
Burgin	965	979	14	1.5%	21
Carlisle	2,010	1,959	-51	-2.5%	28
Clay City	1,077	1,109	32	3.0%	18
Crab Orchard	841	832	-9	-1.1%	26
Cynthiana	6,402	6,362	-40	-0.6%	25
Danville	16,218	16,804	586	3.6%	16
Eubank	358	330	-28	-7.8%	31
Frankfort	25,527	27,679	2,152	8.4%	14
Georgetown	29,098	34,395	5,297	18.2%	3
Harrodsburg	8,340	8,492	152	1.8%	20
Hustonville	405	370	-35	-8.6%	32
Irvine	2,715	2,325	-390	-14.4%	33
Junction City	2,241	2,308	67	3.0%	17
Lancaster	3,442	3,835	393	11.4%	8
Lawrenceburg	10,505	11,479	974	9.3%	12
Lexington-Fayette Urban Co.	295,803	323,780	27,977	9.5%	11
Midway	1,641	1,801	160	9.8%	10
Millersburg	779	788	9	1.2%	22
Nicholasville	28,015	30,829	2,814	10.0%	9
North Middletown	643	660	17	2.6%	19
Paris	8,553	9,872	1,319	15.4%	6
Perryville	751	753	2	0.3%	24
Ravenna	605	567	-38	-6.3%	30
Richmond	31,364	35,894	4,530	14.4%	7
Sadieville	303	357	54	17.8%	4
Stamping Ground	643	785	142	22.1%	2
Stanford	3,487	3,686	199	5.7%	15
Stanton	2,733	2,661	-72	-2.6%	29
Versailles	8,568	9,316	748	8.7%	13
Wilmore	3,686	6,423	2,737	74.3%	1
Winchester	18,368	18,577	209	1.1%	23
ADD TOTALS	529,911	582,054	52,143	9.8%	

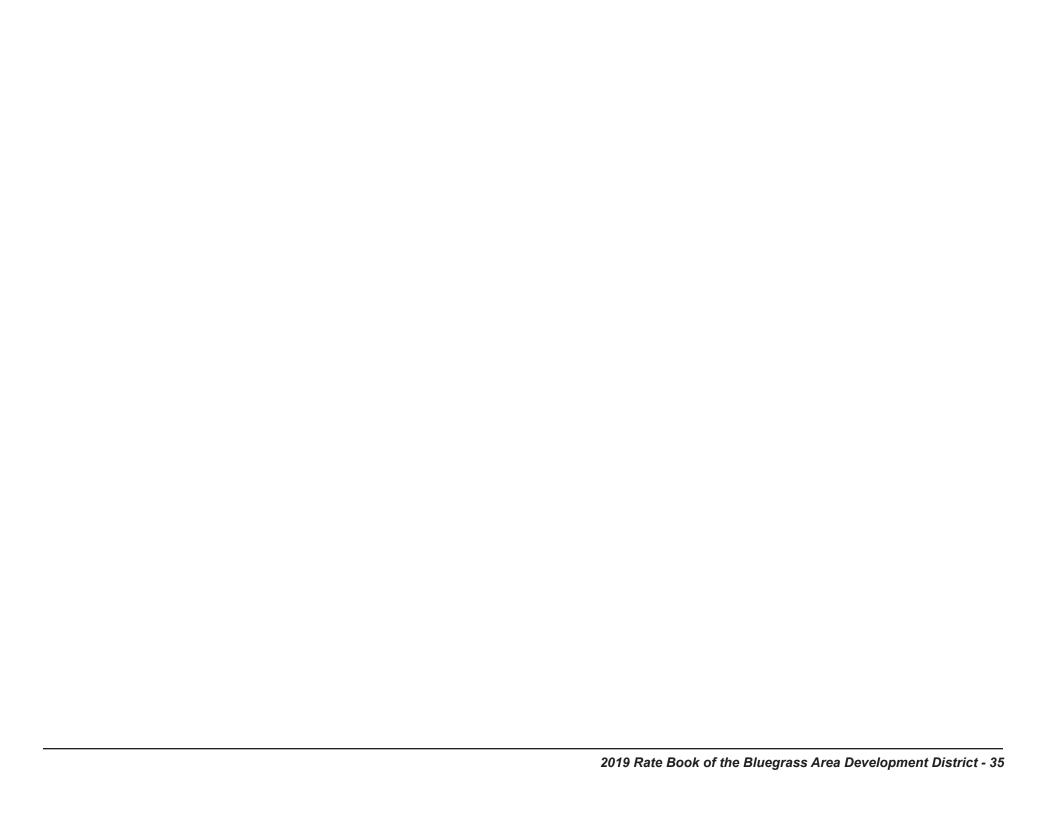
Data Source: U. S. Census Bureau

^{*}Updated to reflect 2018 Census estimates sourced from the Kentucky State Data Center

Table 25 BLUEGRASS AREA COUNTIES POPULATION 2010 -2018*

	2010	2018	%	ADD
	CENSUS	ESTIMATE	CHANGE	RANK
	101000	1 100 100	40.50/	
Kentucky	4,042,288	4,468,402	10.5%	
COUNTY				
Anderson	21,421	22,663	5.8%	7
Bourbon	19,985	20,184	1.0%	12
Boyle	28,432	30,100	5.9%	6
Clark	35,613	36,249	1.8%	11
Estill	14,672	14,198	-3.2%	17
Fayette	295,803	323,780	9.5%	4
Franklin	49,285	50,815	3.1%	9
Garrard	16,912	17,560	3.8%	8
Harrison	18,846	18,778	-0.4%	14
Jessamine	48,586	53,920	11.0%	3
Lincoln	24,742	24,644	-0.4%	15
Madison	82,916	92,368	11.4%	2
Mercer	21,331	21,774	2.1%	10
Nicholas	7,135	7,166	0.4%	13
Powell	12,613	12,442	-1.4%	16
Scott	47,173	56,031	18.8%	1
Woodford	24,939	26,533	6.4%	5
ADD TOTAL	770,404	829,205	7.6%	

Source: US Census Bureau
*updated to reflect 2018 Census estimates
sourced from the Kentucky State Data Center



Charges for Solid Waste Collection/Disposal for Bluegrass Area Municipalities together with the Services Provided

Since the level of services offered often varies from one community to the next, an effort was made to determine the level and the frequency of the service provided—in addition to the monthly charge. Some municipalities offer comprehensive solid waste recycling services while others offer no recycling service at all. Further, there are many cities whose solid waste services fall between those two poles.

The operator of solid waste services often varies from city to city. A declining number of Bluegrass cities continue to offer municipal service, utilizing city employees and equipment. Others advertize and enter into an exclusive franchise contract with a private sector company. Still others may allow householders to contract with the garbage service provider of his choice. Lexington has somewhat of a unique system as city collection is the norm in many of the older areas of the urban county. For areas of the city urbanized in more recent times, the various neighborhoods may choose to opt in and accept municipal collection. Conversely, they may opt out, and householders in those neighborhoods may contact with the private sector solid waste firm of their choosing. For such neighborhoods, it may be possible that collection vehicles from three or more different private sector solid waste companies may serve different customers on the same street on the same day.

Lexington-Fayette finances its solid waste services in a rather unusual way. The largest income stream comes from an ad valorem tax, i.e., the magnitude of the tax depends on the taxable value of the property. Obviously the owner of a house assessed at \$400,000 does not generate ten times as much solid waste as the owner of a house whose assessed value is \$40,000, but if both are subject to the ad valorem tax, the owner of the more expensive house does pay ten times the amount paid by the owner of the more modest home.

Other factors that can vary from community to community are the frequency of service, e.g., once weekly to twice weekly, and curbside vs. behind-the-house service.

Table 26 is intended to allow the reader to compare apples with apples in terms of fees and services offered within Bluegrass Area cities.

Table 26 Solid Waste Charges and Services for Bluegrass Area Cities (Services provided directly by the City)

	Logis	stical Information		Service Descriptions		Recycling			
Municipal Provider	Service Provider	Cost to Resident	Fee Collection	Frequency of Service	Curbside or Behind the House Service	Recycling Included?	Frequency of Recycling Service	Level of Recycling service included in price?	Cost of Recycling as "add-on" service?
Boyle County - Junction City, Perryville	County	No charge - residents drop off themselves at convenience centers	N/A	Once a week	N/A	Through County	N/A	Everything; co-mingled	No charge - residents drop off themselves at convenience centers
Carlisle		\$16.12/mo inside city limits; \$18.88/month outside city limits; Herbie rentals \$10/month for all customers with more than 2 Herbies	Added to water bill	Residential -once a week; business - 3x a week	Mostly curbside but behind the house available for some Sr. citizens	No	Available at County Dump Center	Everything	N/A
Frankfort	City of Frankfort	No charge however the cost to exchange a garbage cart will be \$50	N/A	Once a week	Curbside	Yes	Once a week	Everything except glass, paper products of any kind; single stream	No charge
Georgetown	Scott County Recycling Center	\$15.00/mo; \$8/mo for Sr. Citizens ; extra \$5/month per Herbie, max 3 Herbies per dwelling	Fee added to water bill	Once a week	Curbside	No; Recycling available for citizen drop off at the Scott Co Recycling Center	N/A	Everything separated; no glass, cermaics, paint or styrofoam AS OF JUNE 2019: Newspapers are the only accepted paper products	No charge
Irvine	City of Irvine	\$18.00/mo (Garbage Only)	Added to water bill	Everyday for Main Street; Businesses every other day; once a week everywhere else	Curbside and Behind the House	Provided by county	Once a week	No glass	No charge
FAYETTE/ Lexington**	for majority of residents; Subscription services with	for services; An additional \$4.50/month per roll cart per house hold (AKA "Landfill User	LFUCGProperty Tax & Landfill User Fee collected via the LexServe bill. Companies bill residents directly	Once a week	Curbside; Behind the House available with medical waiver; Yard Waste curbside only	LFUCG: Curbside recycling and yard waste; Private companies offer recycling services at an added cost.	Once a week	Everything; co-mingled AS OF JUNE 2019: paper is not an accepted material. Corrigated cardboard is still ok.	Recycling is included with LFUCG services. There is a one-time \$60 container fee and \$3.60 sales tax for each additional blue cart. Businesses are allotted two carts.
Wilmore	City of Wilmore	\$16.00/mo; \$10/mo for senior citizens	Added to utility bill	Once a week	Curbside; Behind the house for disability	Yes	Every other Monday	Single Stream	No charge
Winchester	Winchester Municipal Utilities	\$33.43/mo (Includes solid waste, recycling and 1 large pick-up per month); Yard Waste Curbits available for \$16.45/year	Added to water bill	Once a week	Curbside	Yes for customers within WMU service area.	Once a week	Everything co-mingled	Included in Solid Waste Charge

Table 26 Solid Waste Charges and Services Rendered for Bluegrass Area Counties and Cities (Services provided by Franchisees)

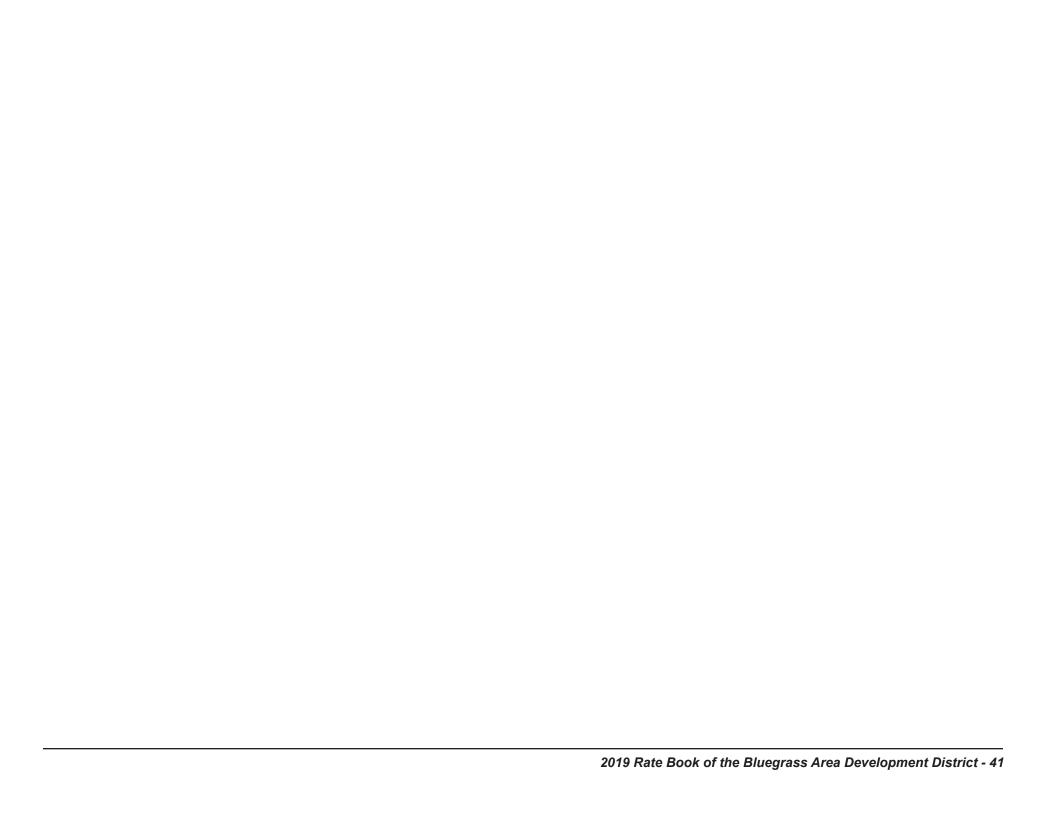
				Service D	escriptions		Recycl	ing	
Franchise Agreements	Name of Franchisee	Cost to Resident	Fee Collection	Frequency of Trash Service	Curbside or Behind the House Service	Recycling Included?	Frequency of Recycling Service?	Level of recycling service included in basic price?	Cost of recycling as "add-on" service?
Anderson County (Lawrenceburg)	Republic Services	\$11.60/quarterly; 10% discount to Seniors	Resident billed directly	Once a week	Curbside, containers provided	Yes	Biweekly	Everything co- mingled	No charge.
Berea	Poff Carting	\$8.35/month, \$2/96 gallon cart/month, 18 gallon carts provided free of charge	Franchise bills resident	Once a week	Curbside	Yes	Once a week with trash pick-up	Everything; co- mingled	No charge
Berry	Rumpke	\$16.00/mo Rumpke bills city; city bills residents.	Included in utility bill	Once a week	Curbside	No	N/A	Everything; co- mingled	N/A
Burgin	Rumpke	\$13.80 curbside pickup; \$10.85 back-door pick up; \$12.42 Senior curbside pickup; \$18.77 Senior backdoor pickup; \$25.80/mo Commercial curbside pickup	City bills residents through tax collection	Once a week	Curbside; behind the house available for additional cost	City has a recycling trailer where residents can bring their recycling.	N/A	Everything; co- mingled	No charge.
Clay City	Rumpke		Billed through water bill	Once a week	Curbside preferable but behind the house available; dumpsters provided by city for large items	no curbside recycling	May be dropped off at County recycling center or at other drop off locations around the City	Everything; co- mingled	No charge
Crab Orchard	Rumpke	\$12.55/mo. (2 bins)	on water bill	Once a week	Curbside	Yes	Once a week	Everything; co- mingled	N/A
Cynthiana	Central Kentucky Hauling	\$12.00/mo - residential; Commercial dependent upon # of pick ups, weight, size, etc	\$12.00/mo billed on water bill;	Once a week	Curbside only; special/bulk pick ups available upon request and additional fee	Included	Once a week	Everything; co- mingled	No charge
Danville	Republic Services	\$11.12/mo \$22.24/bi-mo	Fee on water bill every month	Once a week	Curbside	Yes	Every 2 weeks	Everything; co- mingled except glass which must be packaged in a taped box and marked	\$3.05/mo added to bill of all customers

Table 26
Solid Waste Charges and Services Rendered for Bluegrass Area Counties and Cities (Services provided by Franchisees)

				Service De	escriptions		Recycl	ing	
Franchise Agreements	Name of Franchisee	Cost to Resident	Fee Collection	Frequency of Trash Service	Curbside or Behind the House Service	Recycling Included?	Frequency of Recycling Service?	Level of recycling service included in basic price?	
Harrodsburg	Republic Services	\$15.09/month for basic service	On water bill	Once a week	Curbside	\$6.87 extra/mo	Every 2 weeks	Everything except glass	Curbside recycling offered for additional fee
Hustonville	Solid waste service provided by individual residents upon request.		N/A	Once a week	Curbside	N/A	N/A	N/A	N/A
Lancaster	Rumpke	\$10.25/mo for residential; \$2.50/mo for bin rental; extra for businesses	Fee on water bill	Once a week	Curbside pick up; County offers free dumping at the center every year; special/bulk pickup available for additional fee	Provided by County	Once a week	Everything co- mingled	No charge
Midway	Rumpke	\$14.95/mo residential; \$35.00/mo business with twice weekly pick-ups	Collect on utility bill	once a week for residential; twice a week for commercial	curbside; behind the house available for disability at no charge	City offers free recycling; Rumpke takes it to Lexington recycling center	Once a week	Everything; co- mingled	No Charge for service; recycling bin available for additional charge
Millersburg	Republic Services	\$43.50 billed quarterly (\$14.50/month) residential	Residents receive solid waste bill	Once a week	Curbside	Included with garbage pick-up	Once a week	Everything co- mingled, no glass	No charge
Nicholasville	Central Kentucky Hauling	\$10.34/mo City; \$12.46/mo County; \$16.61 backdoor In-City; \$20.62 backdoor County; Seniors age 60+ receive 20% discounted rate	Franchise bills resident	once a week; twice a week: \$12.50/mo basic In-City curbisde; \$24.56/mo basic County curbside; \$20.77 backdoor In-City; \$28.41 backdoor County	Curbside or back door 1- 2x/week	Available as Add-on service. Citizens may also drop recyclables off at the Recycling Convenience Center or at drop off locations.	Once a week	Everything co- mingled	\$2.07/mo City; \$2.97/mo county for once/week curbside. \$4.23/mo city, \$6.11/mo county for twice a week curbside. Backdoor service is more.
North Middletown	Rumpke	\$13.75/mo basic curbside; \$11.00 Senior rate	on utility bill;	Once a week	Curbside; containers available for small fee or can use own cans	Recycling drop off available at City Office	N/A	Co-mingled, restrictions on glass color	N/A
Perryville	Republic Services	\$11.28/month	Fee on water bill every month	Once a week	Curbside	Yes	Every 2 weeks	Everything; co- mingled except glass which must be packaged in a taped box and marked	\$2.91/mo added to bill of all customers
Ravenna	Rumpke	\$16.50/monthly residential	Fee on water bill	Once a week	Usually curbside but behind the house available for qualifying sr. citizens	Provided by County	Citizens can drop off at recycling center	Everything co- mingled	No charge

Table 26 Solid Waste Charges and Services Rendered for Bluegrass Area Counties and Cities (Services provided by Franchisees)

				Service D	escriptions		Recycl	ing	
Franchise Agreements	Name of Franchisee	Cost to Resident	Fee Collection	Frequency of Trash Service	Curbside or Behind the House Service	Recycling Included?	Frequency of Recycling Service?	Level of recycling service included in basic price?	Cost of recycling as "add-on" service?
Richmond	·	\$10.14/mo for 1 cart; \$5.07/additional carts, 3 cart maximum; plus \$1.15 monthly fee for bulk collection; plus 5% franchise fee on top of monthly fees	resident directly	Once a week but can request additional weekly pick-ups	Curbside	Free recycling offered to city residents through County.	Twice monthly. For Richmond homes; drop off center for county residents	Plastics 1-9, steel, paper, cardboard, used shoes/clothing; materials must be seperated	No charge for service; \$10 for can
Sadieville	Rumpke	\$11.38/mo	Rumpke bills resident directly quarterly	Once a week			Citizens may take recycling to County recycling center	Everything but glass at County	No Charge
Stanford	Republic Services	\$13.95/mo; \$25.33/mo for behind the house pick up	On water bill	Once a week	Curbside; Behind the house for disability and elderly	Service provided by Garrard/Lincoln Solid Waste	Once a week	Everything co- mingled; no electronics	No Charge
Stanton	Rumpke	\$12.00/mo	On water bill	Once a week		Not in basic trash service	Citizens may take recycling to County recycling center	Everything; separate containers	N/A
Stamping Ground	Rumpke	\$16.80/mo	Billed on water bill	Once a week		Curbside available for those who have a red Rumpke Recycling bin	Citizens may take recycling to County recycling center	Everything; co- mingled	No Charge
Versailles	Hauling	\$10.10 if customer provides their own container; \$2.25/mo for container rental; Rate is multiplied by number of pickups/week for more than once a week pick-up	Included in Versailles Municipal Utilities Bill garbage	Once a week	Curbside; Behind the house for disability	Yes	Once a week	Everything co- mingled	No charge



Percentage of Persons within Bluegrass Area Cities or Counties who have been determined to be of Low and Moderate Income

Since a number of the federal and state programs with which the ADD deals are income-limited, it often becomes advantageous for a city (and more rarely, for a county) to qualify a local jurisdiction with a high percentage of persons who are of low and moderate income. The list of cities and the percentage of persons who are designated by the Bureau of the Census as being of low to moderate income was updated in the second quarter of calendar year 2011. For this update, the first in a decade, more than two thirds of the percentages were left unaltered. For most of the others, the percentages of low and moderate income persons are higher than the year 2000 figures reported earlier. For some communities, the data are credible. For others, the data appear to be unreliable—and usually on the "too-low" side in terms of the percentages of persons of low and moderate income persons.

Whether or not the data appear to be credible, these are the new and the accepted percentages. State Government and the Federal Government cling to them. The percentage of low and moderate income persons for the 17 Bluegrass Area counties and the 32 Bluegrass Area cities is displayed within **Table 27**. (Lexington/Fayette is listed only once, and that listing is included in the listing of counties.) For participation in an income-limited program such as the HUD Community Development Block Grant program for small cities, the threshold that can permit an application to be submitted seeking federal financial assistance depends upon a demonstration that at least 51 percent of the persons within the jurisdiction qualify as being of low and moderate income. When the official income percentage fails to prove that case for a city or for a county, the city of the county may choose to conduct a statistically sound door-to-door survey of a sample of the targeted population. The survey results can then be forwarded to the ADD for compilation.

Table 27
Percentages of Low/Moderate Income (LMI)
for Bluegrass Area Counties and Cities

	Percent LMI	Percent LMI		Percent LMI	Percent LMI
COUNTY	Year 2010	Year 2019 Estimate	<u>CITY</u>	Year 2010	Year 2019 Estimate
Anderson	35.17	36.34	Berea	53.4	51.16
Bourbon	49.00	46.37	Berry	62.5	28.57
Boyle	40.50	39.51	Burgin	45.2	54.84
Clark	43.80	44.04	Carlisle	36.5	54.73
Estill	50.40	47.86	Clay City	57.3	68.87
Fayette	n/a	44.90	Crab Orchard	47.7	58.00
Franklin	40.30	39.09	Cynthiana	49.0	49.17
Garrard	38.70	39.07	Danville	43.0	42.42
Harrison	38.70	39.84	Eubank	69.2	58.73
Jessamine	44.80	43.27	Frankfort	45.5	46.36
Lincoln	43.80	43.97	Georgetown	40.3	36.05
Madison	49.50	44.13	Harrodsburg	51.7	52.43
Mercer	40.10	40.16	Hustonville	34.9	29.17
Nicholas	39.40	43.01	Irvine	56.8	49.89
Powell	45.80	46.46	Junction City	57.2	47.38
Scott	36.00	32.76	Lancaster	50.5	58.76
Woodford	32.80	35.03	Lawrenceburg	40.6	41.22
			Lexington - Fayette		44.90
			Midway	29.1	35.28
			Millersburg	63.2	50.00
			Nicholasville	47.8	51.08
			North Middletown	59.6	44.57
			Paris	54.4	52.00
			Perryville	48.0	29.00
			Ravenna	35.8	48.79
			Richmond	58.2	59.43
			Sadieville	44.0	52.54
			Stamping Ground	48.6	52.44
			Stanford	43.9	55.64
			Stanton	44.0	45.88
			Versailles	49.2	50.76
			Wilmore	54.0	48.64
			Winchester	55.6	53.50
n/c=no change					

n/c=no change

Source: U. S. Census Bureau and Department for Local Government

Bluegrass Area Cities by Class

Effective January 1, 2015, Kentucky cities are classified based on their form of government. House Bill 331 creates two classes of cities based on the form of government: First Class (mayor-alderman form of government) and Home Rule Class (all other cities, including Lexington, which will maintain urban county government powers and responsibilities).

Previously, the scheme of six classes set by population standards affected more than 400 laws, including those impacting alcohol beverage control, revenue options and public safety. More than one-third of Kentucky cities were not in a classification that matched its population requirements and the granting of home rule authority in 1980 largely removed the necessity for such a complex classification system. Moreover, the voters of Kentucky recognized the need for changing the system when they approved a constitutional amendment in 1994 permitting the General Assembly to create a new classification system.

In several laws, the reform replaces class distinctions in with population criteria. However, some distinctions between cities remain based upon the population of the city and/or the previous classifications. For this reason, **Table 28** which identifies BGADD cities under the old 6-class system remains.

Table 28 CITY CLASSIFICATIONS

Second Class Cities

Frankfort

Lexington (Urban County)

Richmond

Third Class Cities

Danville

Nicholasville

Paris

Winchester

Fourth Class Cities

Berea

Carlisle

Cynthiana

Georgetown

Harrodsburg

Irvine

Junction City

Lancaster

Lawrenceburg

Midway

Stanford

Stanton

Versailles

Wilmore

Fifth Class Cities

Burgin

Clay City

Hustonville Junction City

Millersburg

North Middletown

Perryville

Ravenna

Sixth Class Cities

Berry

Crab Orchard

Eubank

Stamping Ground

Sadieville

Table 29 CURRENT LOCAL TAX RATES

ANDERSON COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* <u>ESTATE</u>	TANGIBLE* PERSONAL	MOTOR** VEHICLES	<u>OTHER</u>
COUNTYWIDE TAXES:				
County Property Tax Health District Tax Library District Tax Extension Service County Schools County Schools - Utilities Tax County Insurance Prem. Tax	12.90 3.00 8.30 13.78 6.57	1.29 3.00 8.30 13.78 6.57	13.60 3.00 2.70 17.00 51.30	3.0% 4.0%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE) Fire Protection District Tax	85.00	85.00	22.90	
CITY TAXES (Lawrenceburg) City Property Taxes City Occupational Licenses City Electric Franchise Fee City Insurance Premium Tax	19.50	23.55	22.90	various rates 3.0% 8.0%

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates

BOURBON COUNTY

FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** <u>VEHICLES</u>	<u>OTHER</u>
COUNTYWIDE TAXES:				
County Property Tax	11.70	11.70	15.60	
County Payroll/Net Profits Tax				0.75%
Health District Tax	4.60	4.60	4.60	
Library District Tax	9.50	12.15	3.00	
Soil Conservation District	0.70	nontaxable	nontaxable	
Extension District Tax	2.89	3.73	1.80	
COUNTY, SPECIAL DISTRICT, & SCHOOL TAXES				
(NOT COUNTYWIDE)	60.60	60.60	54.50	
County Schools	60.60	60.60	54.70	
Paris Indep. Schools	80.40	80.40	55.30	2.00/
Paris Indep. Schools - Utilities Tax				3.0%
CITY TAXES				
(Paris)	11.20	11.70	17.00	
City Property Taxes	11.30	11.79	17.00	1.50/
City Payroll/Net Profits Tax				1.5% 5.0%
City Cable TV Franchise Fee				3.0%
City Electric & Nat. Gas Franchise Fees City Insurance Premium Tax				10.0%
City insurance Premium Tax				10.0%
(Millersburg)				
City Property Taxes	55.00	55.00	61.00	
City Payroll/Net Profits Tax				1.0%
City Electric Franchise Fee				2.5%
City Insurance Premium Tax				12.0%
City Cable TV Franchise Fee				3.0%
(North Middletown)				
(North Middletown) City Property Taxes	26.60	35.33	29.00	
City Occupational Licenses	20.00	33.33	29.00	\$50/yr.
City Electric Franchise Fee				3.0%
City Insurance Premium Tax				8.0%
Chy incurance i fermani i un				0.070

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

^{***}Rates not set at time of printing.

BOYLE COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	<u>OTHER</u>
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profit Tax Health District Tax Library District Tax Extension District Tax Hotel/Motel Room Tax	6.80 3.70 7.90 5.78	10.55	7.01 2.70 8.62 Non-taxable	0.75%
Soil Conservation District Tax COUNTY, SPECIAL DISTRICT, & SCHOOL TAXES (NOT COUNTYWIDE)	1.00	Non-taxable	Non-taxable	3.070
Fire Protection District Tax County Schools Danville Independent Schools	10.00 71.70 98.50		10.00 53.90 66.90	
<u>CITY TAXES</u>				
(Danville) City Property Taxes City Payroll Tax City Net Profits Tax City Electric Franchise Fee City Insurance Premium Tax	14.40	17.00	20.00	1.90% 1.0% 3.0% 6.0%
(Junction City) City Property Taxes City Payroll/Net Profits Tax City Electric Franchise Fee City Insurance Premium Tax	12.20	12.20	12.20	1.0% 2.58% 12.0%
(Perryville) City Property Taxes City Payroll/Net Profits Tax City Occupational Licenses City Electric Franchise Fee City Insurance Premium Tax	30.42	39.37	40.00	1.0% \$25/yr. flat rate 3.0% 10.0%

OTHER PROPERTY RELATED TAXES

Timberland Fire Protection 2.0 cents per acre

NOTES: Property tax rates are in cents per \$100 assessed valuation.

City of Perryville has a \$2.00 rate per \$100 assessed value on abandoned urban property.

Boyle County Fire District is county-wide except cities.

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

CLARK COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	<u>OTHER</u>
COUNTYWIDE TAXES:				
County Property Tax Health District Tax	9.00 4.60	11.19 4.60	10.50 4.60	
Library District Tax Extension District Tax	6.20 3.22	9.59 4.76	4.90 1.75	
Hotel/Motel Room Tax County Schools	2.7 63.70	63.70	53.50	3.0%
County Schools - Utility Tax				3.0%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE)				
County Payroll/Net Profits Tax County Insurance Premium Tax				1.5% 4%
<u>CITY TAXES</u>				
(Winchester)*** City Property Taxes City Payroll Tax City Occupational Licenses City Electric Franchise Fee City Natural Gas Franchise Fee City Insurance Premium Tax	14.60	14.99	19.50	2.0% varying rates 3.0% 3.0% 8.0%

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

^{***} Not set at time of printing

ESTILL COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** <u>VEHICLES</u>	OTHER
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profits Tax Health District Tax Library District Tax Soil Conservation District Tax Extension District Tax Extension District Tax County Schools County Schools County Schools - Utilities Tax	8.90 8.00 12.70 1.50 6.80 10.00 51.10	8.00 13.00 NonTaxable 17.45 10.00 51.10	10.50 8.00 3.72 NonTaxable 3.90 10.00 54.80	2.00%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE) Red Lick Watershed District CITY TAXES	5.00	NonTaxable	NonTaxable	
(Irvine) City Property Taxes City Occupational Licenses City Natural Gas Franchise Fee City Electric Franchise Fee City Insurance Premium Tax	46.90	55.00	34.50	varying rates 4.0% 3.0% 10.0%
(Ravenna) City Property Taxes City Occupational Licenses City Natural Gas Franchise Fee City Electric Franchise Fee City Insurance Premium Tax	50.00	50.00	50.00	varying rates 2.0% 3.0% 10.0%

OTHER PROPERTY RELATED TAXES

Timberland Fire Protection 3.0 cents per acre

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

FAYETTE COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* <u>ESTATE</u>	TANGIBLE* PERSONAL	MOTOR** <u>VEHICLES</u>	<u>OTHER</u>
COUNTYWIDE TAXES:				
LFUCG General Services District Tax Extension District Tax Health District Tax Lextran (bus system) Tax Soil Conservation District Tax LFUCG Payroll/Net Profits Tax Hotel/Motel Room Tax Insurance Premium Tax Electric & Natural Gas Franchise Fees Water Franchise Fee	8.00 0.35 2.80 6.00 0.06	9.82 0.41 2.80 6.00 NonTaxable	8.80 0.32 2.80 6.00 NonTaxable	2.25% 4.0% 5.0% 4.0% 3.0%
County Schools Schools - Payroll/Net Profits Tax Schools - Utilities Tax NON-COUNTYWIDE PROPERTY TAXES (Special Services Dists.)	81.00	76.00	59.20	0.5% 3.0%
Refuse Street Cleaning Street Lights	14.26 0.97 2.10	NonTaxable NonTaxable NonTaxable	NonTaxable NonTaxable NonTaxable	

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

FRANKLIN COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	OTHER
COUNTYWIDE TAXES:				
County Property Tax Library District Tax Health District Tax Extension District Tax Soil Conservation District Tax Hotel/Motel Room Tax Fine Art Center Room Tax	18.7 8.5 7.25 1.615 0.9	19.71 10.01 7.25 2.6812 NonTaxable	17.00 4.9 7.25 1.00 NonTaxable	3.00% 2.0%
COUNTY, SPECIAL DISTRICT, AND SCHOOL TAXES NOT COUNTYWIDE				
County Insurance Premium Tax County Payroll/Net Profits Tax County Schools County Schools - Utilities Tax Frankfort Independent Schools Frankfort Schools - Utilities Tax Occupational Licenses	74.30 99.00	74.30 99.00	51.00 47.40	6.0% 1.0% 3.0% 3.0% \$50
CITY TAXES (Frankfort) City Property Taxes City Payroll/Net Profits Tax City Insurance Premium Tax Public Utilities/Services Franchise Tax	19.80	19.80	22.70	1.75% 15.00 19.80

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

GARRARD COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	<u>OTHER</u>
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profits Tax	8.00	10.20	10.20	1.0%
Health District Tax	4.00	4.00	4.00	
Library District Tax	6.70	18.35	1.26	
Extension District Tax	4.34	11.20	2.30	
County Schools	37.50	37.50	55.10	
County Schools - Utilities Tax				3.0%
Soil Conservation	0.83			
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE)				
Fire Prot.Dist. #1 (Lancaster sta.)	9.50	9.50	8.80	
Fire Prot.Dist. #2 (North Garrard)	7.00	7.00	6.50	
Fire Prot.Dist. #3 (Buckeye)	6.90	6.90	6.90	
Fire Prot.Dist. #4	6.00	6.00	6.00	
(Cartersville & Paint Lick)				
<u>CITY TAXES</u>				
(Lancaster)				
City Property Taxes	15.60	26.00	24.20	
City Occupational Licenses				varying rates
City Electric Franchise Fee				3.0%
City Natural Gas Franchise Fee				1.0%
City Insurance Premium Tax	10			10.0%

NOTE: GARRARD CO FIRE DISTRICT #1 COVERAGE EXCLUDES THE CITY OF LANCASTER

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

HARRISON COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	OTHER
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profits Tax	10.50	12.90	12.90	1.5%
Health District Tax	4.50	4.50	4.50	
Library District Tax	7.00	12.91	4.20	
Soil Conservation District Tax	1.10	NonTaxable	NonTaxable	
Extension District Tax	5.55	12.35	2.50	
County Schools	51.70	51.70	50.00	
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE) Fire Protection District Tax	6.30	6.30	6.00	
CITY TAXES (Cynthiana)				
City Property Taxes City Payroll/Net Profits Tax City Electric Franchise Fee City Insurance Premium Tax	16.50	17.10	16.00	1.5% 3.0% 6.0%
(Berry) City Property Tax City Electric Franchise Fee City Insurance Premium Tax	22.00	18.00	36.00	2.77% 7.0%

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^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

JESSAMINE COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	OTHER
COUNTYWIDE TAXES***:				
County Property Tax County Payroll/Net Profits Tax	8.10	20.00	11.40	1.0%
Health District Tax	3.00	3.00	3.00	
Library District Tax County Schools	11.50 69.00	18.05 69.00	18.05 68.00	
Extension District	1.67	2.77	2.77	
County Schools - Utilities Tax	1.07	2.77	2.77	3.0%
Insurance Premium Tax				9.0%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE)				
Fire Protection District Tax	5.70	5.20	4.80	
N. Jessamine Fire Protection Subdist.	4.30	4.60	4.60	
<u>CITY TAXES</u>				
(Nicholasville) City Property Taxes City Payroll Tax City Net Profits Tax City Electric Franchise Fee City Insurance Premium Tax City Hotel/Motel Room Tax Bank Franchise Fee Solid Waste Franchise Fee	18.60	18.60	19.70	1.5% 1.0% 3.0% 9.0% 3.0% 2.0% 10.0%
(Wilmore) City Property Tax City Payroll/Net Profits Tax City Electric Franchise Fee City Insurance Premium Tax	20.80	80.74	74.84***	2.0% 3.0% 7.0%

NOTE: FIRE PROTECTION DISTRICT IS CO WIDE EXCEPT CITIES OF NICHOLASVILLE AND WILMORE NOTE: NORTH JESSAMINE SUB FIRE DISTRICT IS ADDITIONAL TO THE GENERAL FIRE PROTECTION

^{*}Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

^{***}Rate not set at time of printing

LINCOLN COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	OTHER
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profits Tax	10.70	10.70	13.40	1.0%
Ambulance District Tax	9.80	9.80	5.00	11070
Health District Tax	4.00	4.00	4.00	
Library District Tax	7.40	7.40	2.30	
Extension District Tax	4.63	5.46	2.40	
County Schools	60.20	60.20	54.20	
County Schools - Utilities Tax				3.0%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE)				
Fire Protection District Tax	6.60	6.60	4.40	
<u>CITY TAXES</u>				
(Stanford) City Property Taxes	13.60	13.60	14.00	1.150/
City Payroll/Net Profits Tax				1.15%
City Electric Franchise Fee City Insurance Premium Tax				1.82% 9.0%
Occupational Business License ¹				\$50.00
Occupational Business License				\$50.00
(Crab Orchard)	12.70	12.40	10.00	
City Property Tax	12.70	12.40	18.00	025.0
City Occupational Licenses City Electric Franchise Fee				\$35 & up 2.81%
City Insurance Premium Tax				9.00%
City insurance i termuni Tax				9.0070
(Hustonville)			40.40	
City Property Tax	11.90	33.80	18.40	
City Occupational Licenses				none
City Electric Franchise Fee City Natural Gas Franchise Fee				2.55% 1.0%
City Insurance Premium Tax				3.0%
City insurance Fremum Tax				3.070
(Eubank)				
City Property Tax	20.00	20.00	20.00	
OTHER PROPERTY RELATED TAXES	3			

Timberland Fire Protection 2.0 cents per acre

NOTES: Property tax rates are in cents per \$100 assessed valuation.

Fire Protection District is county-wide except cities.

¹Occupational Business License Fee is collected yearly

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^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

MADISON COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	OTHER
COUNTYWIDE TAXES:				
County Property Tax*** Health District Tax Library District Tax Extension District Tax Ambulance District Tax COUNTY, SPECIAL DISTRICT, & SCHOOL TAXES	8.20 5.00 5.80 1.77 4.90	9.14 5.00 7.56 2.98 4.60	10.00 5.00 3.50 1.30 6.00	
(NOT COUNTYWIDE): County Payroll/Net Profits Tax Red Lick Watershed District County Schools County Schools - Utilities Tax Berea Independent Schools Berea Schools - Utilities Tax	5.00 63.60 97.90	NonTaxable 63.60 97.90	NonTaxable 91.80 59.10	1.0% 3.0% 3.0%
CITY TAXES (Richmond) City Property Taxes City Payroll/Net Profits Tax Hotel/Motel Room Tax City Electric Franchise Fee City Insurance Premium Tax	16.00	14.00	14.70	2.0% 3.0% 3.0% 8.0%
(Berea) City Property Tax City Payroll/Net Profits Tax Hotel/Motel Room Tax City Electric & Water Franchise Fees City Restaurant Tax Insurance Premium Tax	10.50	10.50	10.10	2.0% 3.0% 3.0% 3.0% 6.0%

3.0 cents per acre

OTHER PROPERTY RELATED TAXES
Timberland Fire Protection 3.0

NOTES: Property tax rates are in cents per \$100 assessed valuation.

*Real & tangible rates are those for property owned as of 1/1/19 but collected during FY 2019-2020.

^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

^{***}Rates not set at time of printing

MERCER COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** <u>VEHICLES</u>	<u>OTHER</u>
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profits Tax	12.40	16.08	9.20	0.45%
Health District Tax	5.00	5.00	5.00	
Library District Tax	8.00	8.00	5.00	
Soil Conservation District Tax	0.70	NonTaxable	NonTaxable	
Extension District Tax	4.10	7.70	1.20	
COUNTY, SPECIAL DISTRICT, & SCHOOL TAXES - NOT COUNTYWIDE:				
Fire Protection District Tax	6.00	6.00	10.00	
County Schools	71.80	71.80	49.10	3.0%
County Schools - Utilities Tax Burgin Independent Schools Burgin Schools - Utilities Tax	77.70	77.70	54.60	3.0%
CITY TAXES:				
(Harrodsburg) City Property Taxes City Payroll/Net Profits Tax City Electric Franchise Fee City Natural Gas Franchise Fee City Insurance Premium Tax City Restaurant Tax	66.80	66.80	23.00	1.0% 3.0% 3.0% 10.0% 3.0%
(Burgin) City Property Tax City Electric Franchise Fee City Insurance Premium Tax	20.45	15.33	20.00	3.0% 10.0%

NOTES: Property tax rates are in cents per \$100 assessed valuation. Fire Protection District is county-wide except for cities.

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^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

NICHOLAS COUNTY

FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	OTHER
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profits Tax	14.80	15.20	15.80	1.0%
Health District Tax	5.00	5.00	5.00	
Library District Tax	8.50	14.73	2.20	
Extension District Tax	4.07	7.32	5.00	
Soil Conservation District Tax	1.50	Non-Taxable	Non-Taxable	
County Schools County Schools - Utilities Tax	40.80	40.80	55.50	3.0%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE)				
Fire Protection District Tax	5.90	5.20	4.40	
CITY TAXES				
(Carlisle) City Property Taxes City Payroll/Net Profits Tax City Insurance Premium Tax	25.00	46.00	57.00	1.0% 7.5%

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^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

POWELL COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** <u>VEHICLES</u>	<u>OTHER</u>
COUNTYWIDE TAXES:				
County Property Tax***	7.58	7.58	13.30	1.250/
County Payroll/Net Profits Tax Health District Tax***	4.00	4.00	4.00	1.25%
Library District Tax Extension District Tax	5.00	5.00	6.00	
Hotel/Motel Room Tax	3.56	3.56	4.50	3.0%
	36.40	36.40	50.20	3.0%
County Schools***	36.40	36.40	30.20	3.0%
County Schools - Utilities Tax				3.0%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE):				
County Insurance Premium Tax				3.0%
County insurance i remium rax				3.070
CITY TAXES:				
(Stanton)***	10.00	10.00	17.00	
City Property Taxes	10.00	10.00	17.90	1.00/
City Payroll Tax				1.0%
City Occupational Licenses				varying rates
City Insurance Premium Tax				5.0%
City Restaurant Tax				3.0%
(Clay City)***				
City Property Tax	8.90	9.65	15.20	
City Payroll				1.0%
City Electric Franchise Fee				3.0%
City Insurance Premium Tax				5.0%
City Business Licenses				varying rates
•				, ,

OTHER PROPERTY RELATED TAXES

Timberland Fire Protection 2.0 cents per acre

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^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.

^{***}Rates not set at time of printing.

SCOTT COUNTY FY 2020 (7/1/19 - 6/30/20)

	REAL* ESTATE	TANGIBLE* PERSONAL	MOTOR** VEHICLES	<u>OTHER</u>
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profits Tax	6.20	6.20	16.60	1.0%
Health District Tax	4.40	4.40	2.20	
Library District Tax	5.60	5.76	6.00	
Extension District Tax	1.78	3.11		
Hotel/Motel Room Tax				3.0%
County Schools	57.10	56.40	54.80	
County Schools - Utilities Tax				3.0%
County Schools - Payroll/Net Profits				0.5%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE)	NONE			
(Georgetown)*** City Property Tax City Payroll/Net Profits Tax City Electric Franchise Fee City Insurance Premium Tax	6.50	6.50	16.80	1.0% 3.0% 5.0%
(Stamping Ground) City Property Tax City Occupational Licenses City Electric Franchise Fee City Insurance Premium Tax	14.80	14.80	40.00	varying rates 3.0% 6.0%
(Sadieville) City Property Tax City Occupational Licenses City Electric Franchise Fee City Insurance Premium Tax	13.70	3.70	4.00	varying rates 3.0% 10%

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^{***}Rates not set at tiem of printing.

WOODFORD COUNTY

FY 2020 (7/1/19 - 6/30/20)

	REAL* <u>ESTATE</u>	TANGIBLE* PERSONAL	MOTOR** VEHICLES	OTHER
COUNTYWIDE TAXES:				
County Property Tax County Payroll/Net Profits Tax	7.00	7.00	9.40	2.5%
Health District Tax Library District Tax Extension District Tax County Schools	2.00 6.30 1.74 69.30	2.00 6.30 1.74 69.30	2.00 2.43 1.50 50.90	
County Schools - Utilities Tax				3.0%
COUNTY & SPECIAL DISTRICT TAXES (NOT COUNTYWIDE)				
Fire Protection District Tax	6.30	6.30	6.30	
<u>CITY TAXES</u>				
(Versailles) City Property Tax City Payroll/Net Profits Tax City Electric Franchise Fee City Insurance Premium Tax	5.60	9.78	12.00	1.5% 3.0% 9.0%
(Midway) City Property Tax City Payroll/Net Profit Tax City Electric Franchise Fee City Insurance Premium Tax	7.00	7.50	7.50	2.0% 3.0% 5.0%

Fire Protection District is county-wide except for cities.

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^{**}Motor vehicle rates are those for vehicles owned as of 1/1/20. Taxes are collected at these rates throughout calendar year 2020.